

	A	B	C	D	E	F	G	H	I
1	student number	first name	last name	grade	average	first grade	second degree	third degree	fourth degree
2	456	ali	mohanad	4		56	65	59	67
3	222	ahmed	saad	4		78	66	78	80
4	89	mohmed	ismaiel	4		90	65	89	88
5	234	hassan	mazen	4		78	78	77	98
6									
7									
8									
9									
10									
11									
12									
13									

Part1: variables

Google apps script /cloud computing lab grade 4

by : yasmin maki

The screenshot shows a Google Sheets spreadsheet titled "students grades". The spreadsheet contains the following data:

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	student number	first name	last name	grade	average	first grade	second degree	third degree	fourth degree				
2	456	ali	mohanad	4	61.75	56	65	59	67				
3	222	ahmed	saad	4	75.5	78	66	78	80				
4	89	mohmed	ismaiel	4	83	90	65	89	88				
5	234	hassan	mazen	4	82.75	78	78	77	98				
6													
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The browser window also shows other tabs and a taskbar at the bottom.

Google apps script /cloud computing lab grade 4

by : yasmin maki

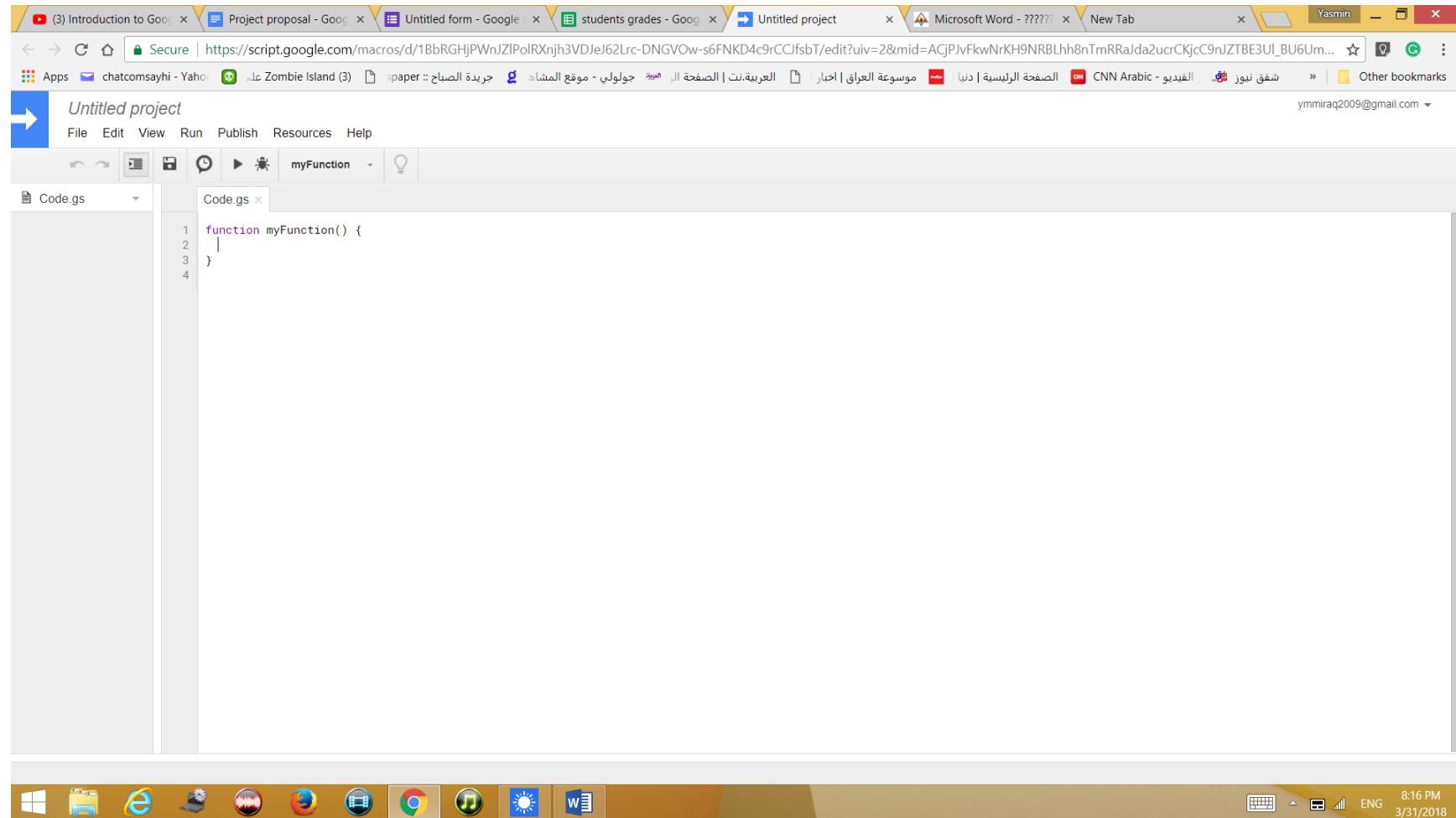
The screenshot shows a Google Sheets spreadsheet titled "students grades". The spreadsheet contains the following data:

	A	B	C	F	G	H	I	J	K	L	M
1	student number	first name	last name	age	first grade	second degree	third degree	fourth degree			
2	456	ali	mohanad	75	56	65	59	67			
3	222	ahmed	saad	5	78	66	78	80			
4	89	mohmed	ismael		90	65	89	88			
5	234	hassan	mazen	75	78	78	77	98			

The formula `=AVERAGE(F2:I2)` is entered in cell F2. A 'Tools' menu dropdown is open, showing the following options:

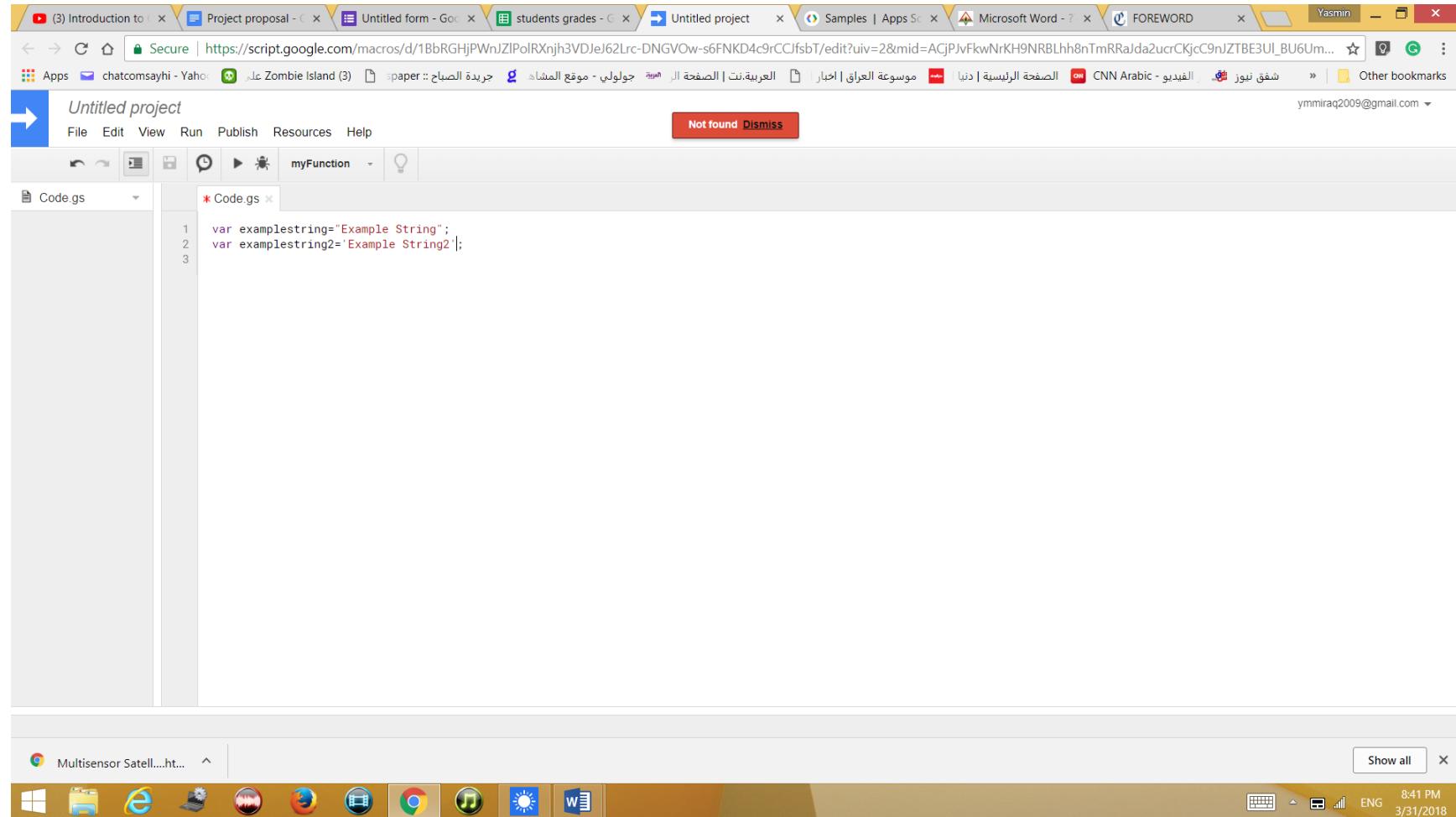
- Create a form
- Script editor
- Spelling
- Enable autocomplete
- Notification rules...
- Protect sheet...

The browser tab bar shows other open tabs: "Introduction to Goog", "Project proposal - Google", "Untitled form - Google", "students grades - Google", "Microsoft Word - ??????", and "New Tab". The system tray at the bottom right shows the date and time as 8:15 PM, 3/31/2018.



Google apps script /cloud computing lab grade 4

by : yasmin maki



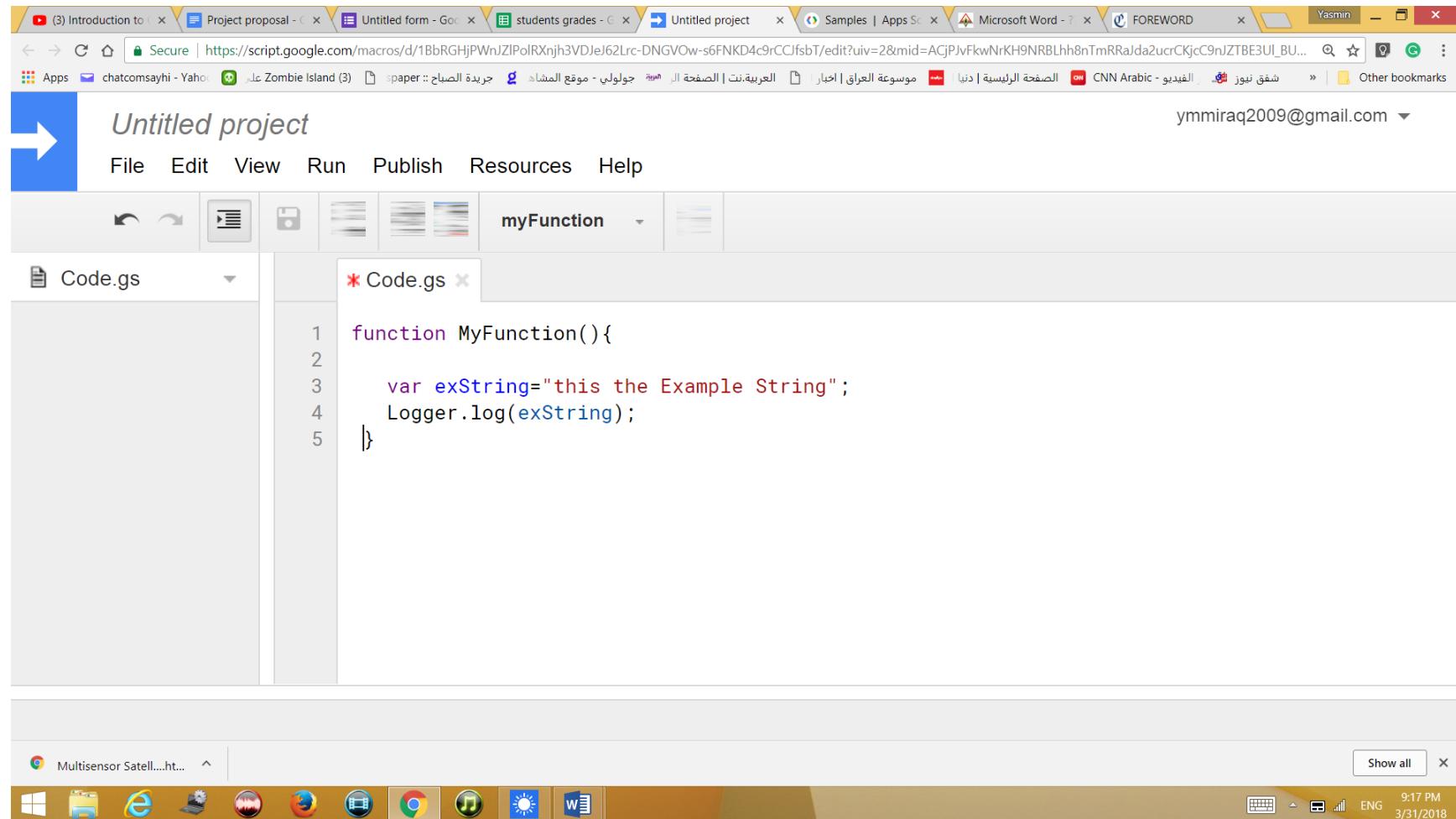
```
1 var exampleString="Example String";
2 var exampleString2='Example String2';
3
4 var exNumber=5;
5 var exNumber2=1.45;
6 var exArray=['First','Second','Third','4'];
7         var exObject=[];
8 var exObject={"this is the key":"this is the pair"};
```

Part 2 :string

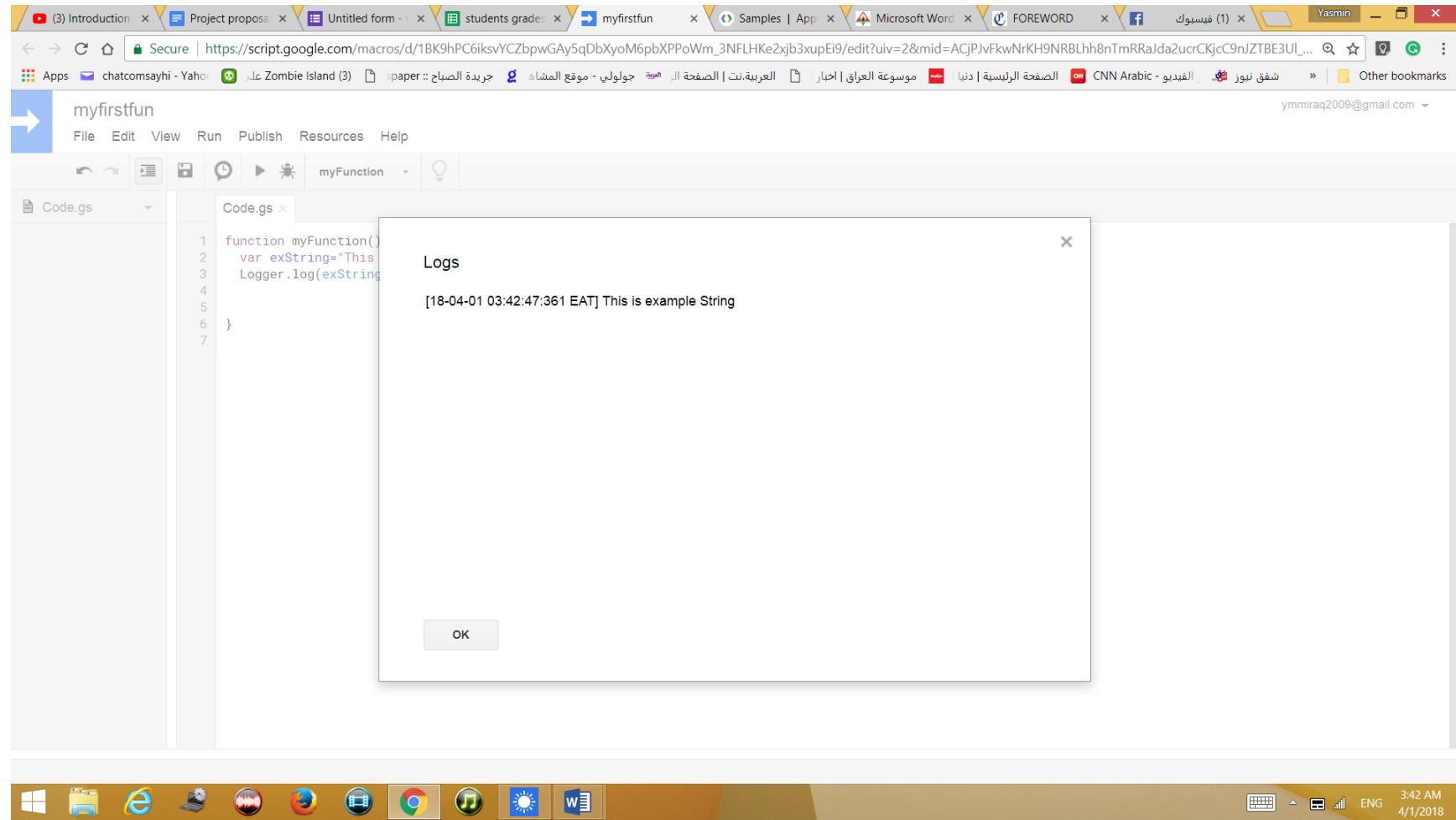
The screenshot shows the Google Apps Script editor interface. The title bar says "Untitled project". The menu bar includes File, Edit, View, Run, Publish, Resources, and Help. The toolbar has icons for back, forward, save, and other functions. The left sidebar shows a file named "Code.gs". The main code editor window contains the following code:

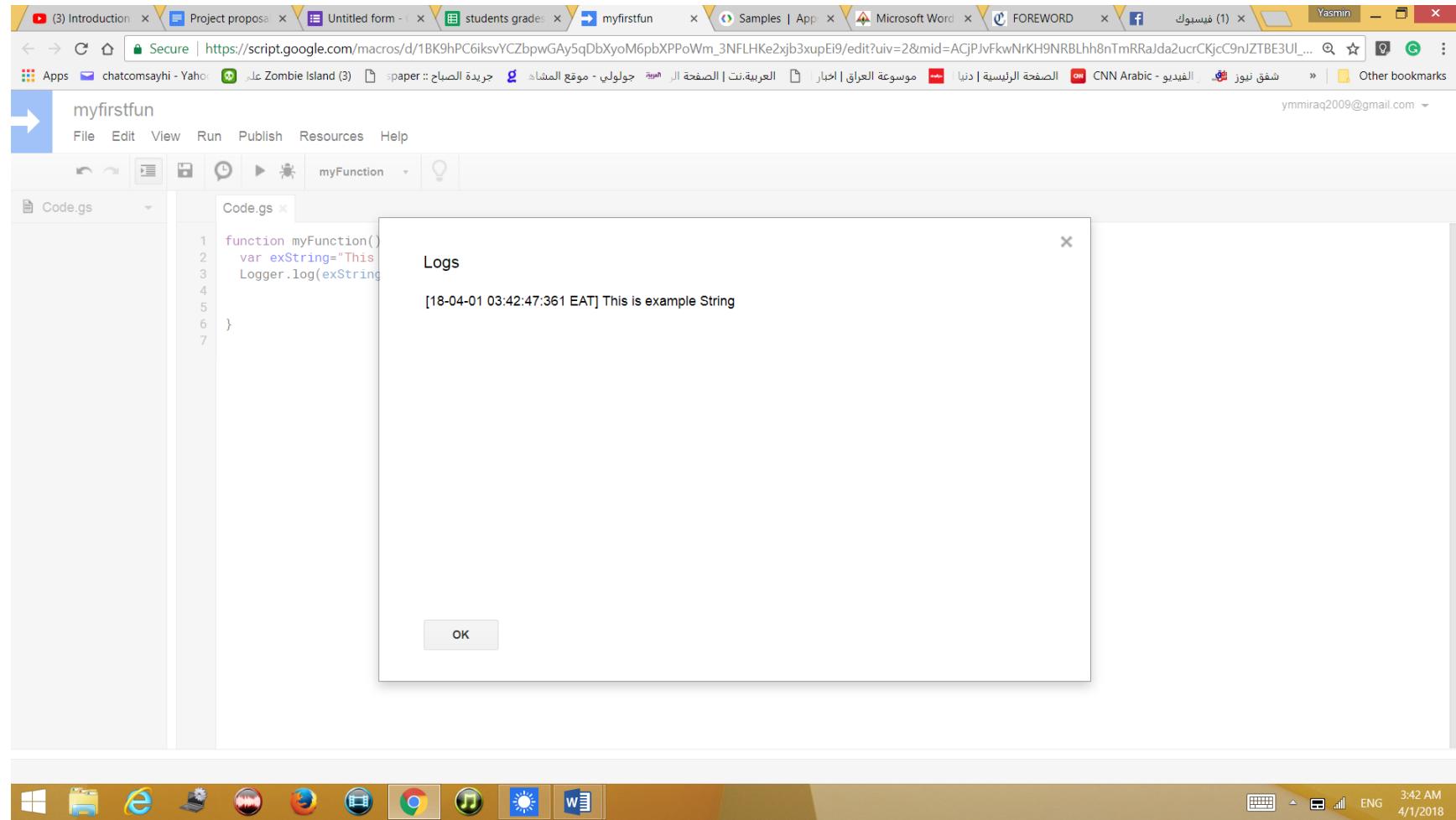
```
function MyFunction(){  
  var exString="this the Example String";  
  Logger.  
    clear() : void  
    getLog() : String  
    log(Object data) : Logger  
    log(String format, Object... values) : Logger
```

A code completion dropdown is open over the "Logger." call, listing four methods: "clear()", "getLog()", "log(Object data)", and "log(String format, Object... values)". The status bar at the bottom shows "Multisensor Satell....ht..." and "Show all". The system tray shows the date and time as "9:16 PM 3/31/2018".



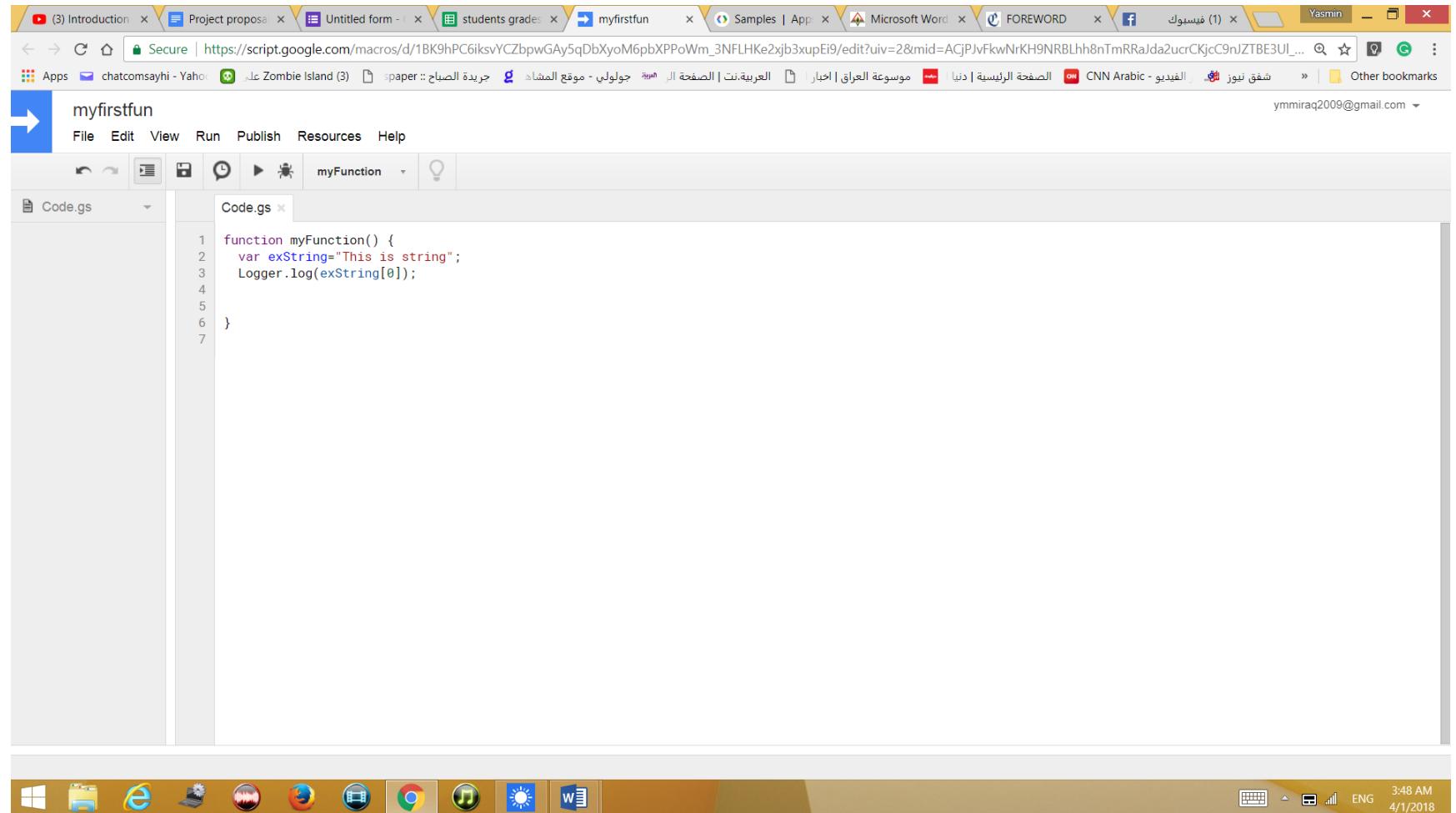
View-log





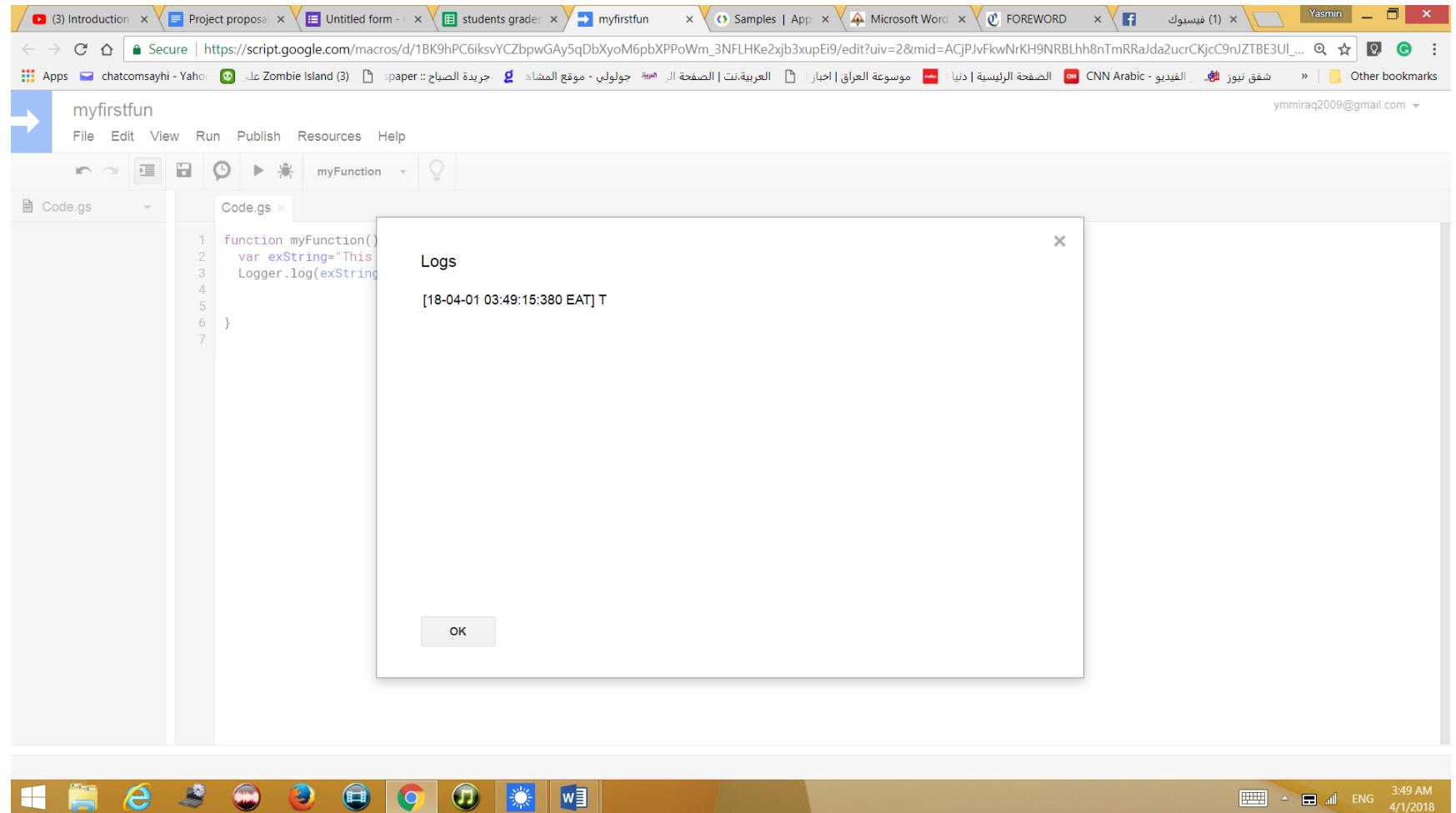
Google apps script /cloud computing lab grade 4

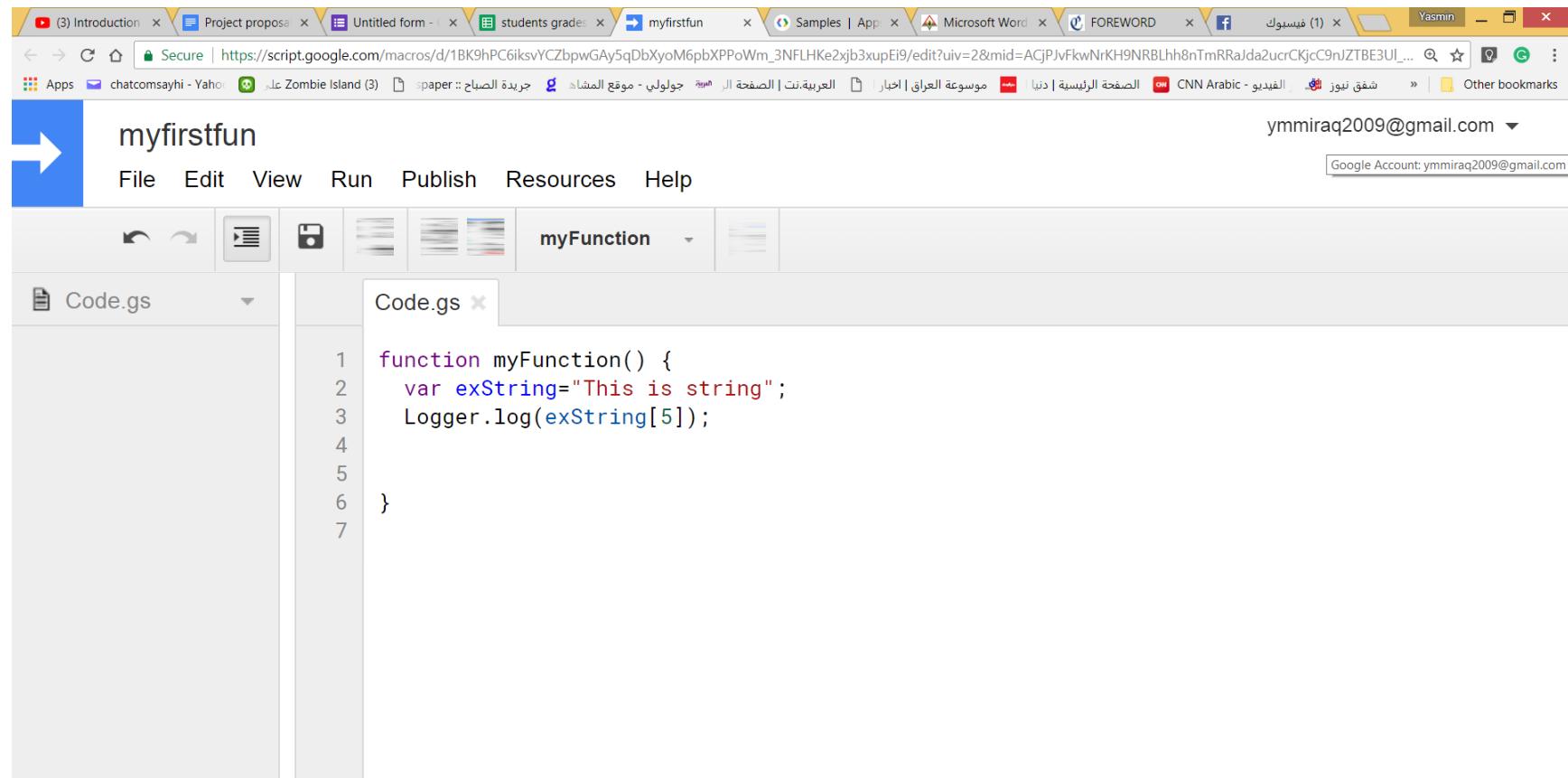
by : yasmin maki



Google apps script /cloud computing lab grade 4

by : yasmin maki





Secure | https://script.google.com/macros/d/1BK9hPC6iksvYCZbpwGAY5qDbXyoM6pbXPPoWm_3NFLHKe2xjb3xupEi9/edit?uiv=2&mid=ACjPjvFkwNrKH9NRBLhh8nTmRRajda2ucrCKjcC9nJZTBE3UI... فيسوك (1) Yasmin

Apps chatcomsayhi - Yahoo! Zombie Island (3) spaper :: جريدة الصباح - موقع المشاه العولجي - الصفحة العربية.نت | الصحفة الـ CNN Arabic - القنـيو شفق نيوز - الـ موسوعة العراق | اخبار الصفحة الرئيسية | دنيا الـ Google Account: ymmiraq2009@gmail.com

myfirstfun

File Edit View Run Publish Resources Help

Code.gs

```
function myFunction() {
  var exString="This is string";
  Logger.log(exString[5]);
}
```

https://accounts.google.com/SignOutOptions?hl=en&continue=https://script.google.com/macros/d/1BK9hPC6iksvYCZbpwGAY5qDbXyoM6pbXPPoWm_3NFLHKe2xjb3xupEi9/edit%3Fuiv%3D2%26mid%3DACjPjvFkwNrKH9NRBLhh8nTmRRajda2ucrCKjcC9nJZTBE3UI_BU6Umx2kSruRriX...

3:55 AM 4/1/2018



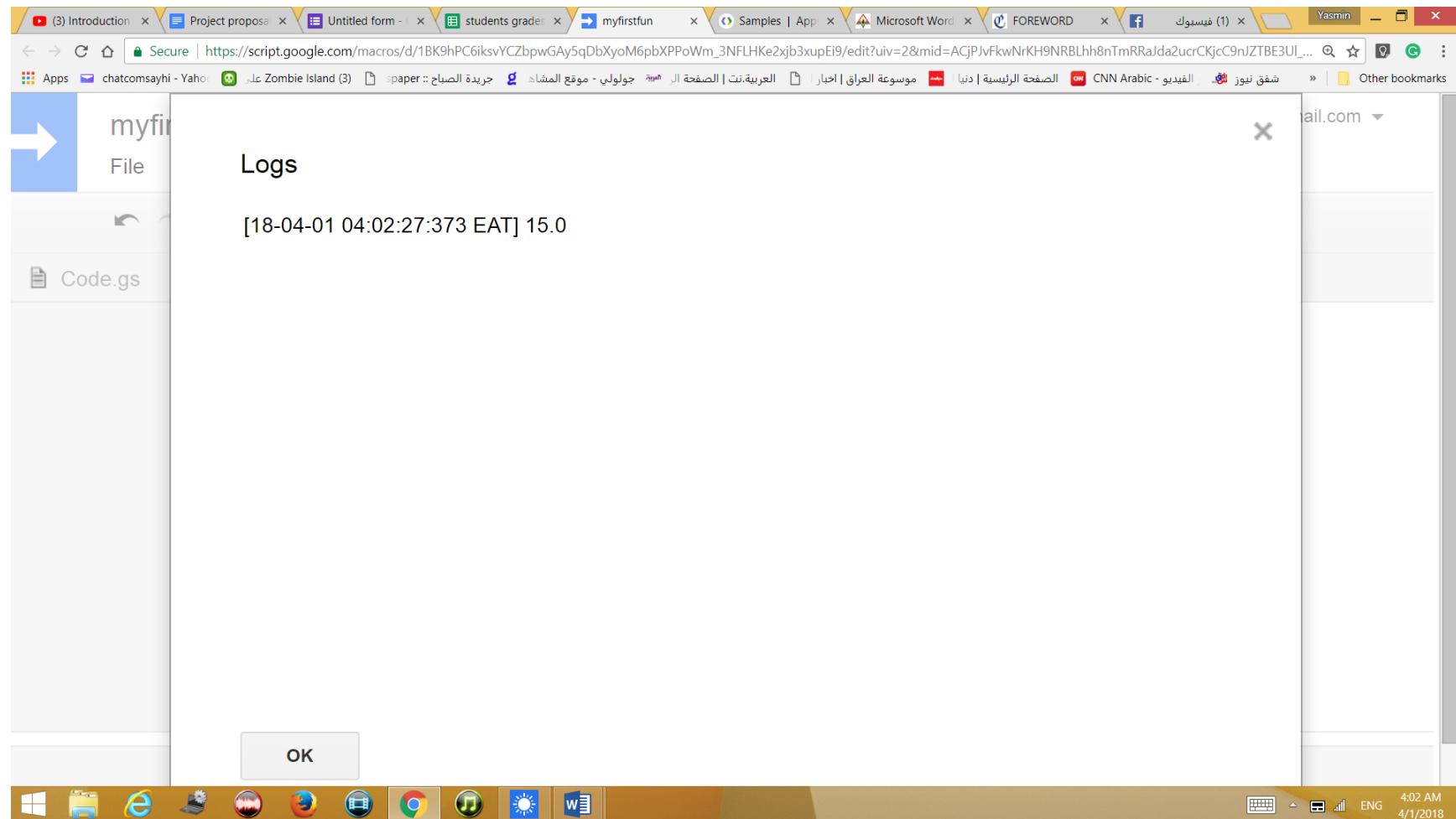
PART3: NUMBERS

1

The screenshot shows the Google Apps Script editor interface. The title bar says "myfirstfun". The menu bar includes File, Edit, View, Run, Publish, and Help. The toolbar has icons for back, forward, save, and other document operations. A dropdown menu shows "myFunction2". The code editor window contains the following script:

```
function myFunction1() {
  var exString="This is string";
  Logger.log(exString[5]);
}
function myFunction2() {
  var example=5+10;
  Logger.log(example);
}
```

The status bar at the bottom shows the Windows taskbar with various icons and the date/time: 4/1/2018 4:02 AM ENG.



Integer+ float

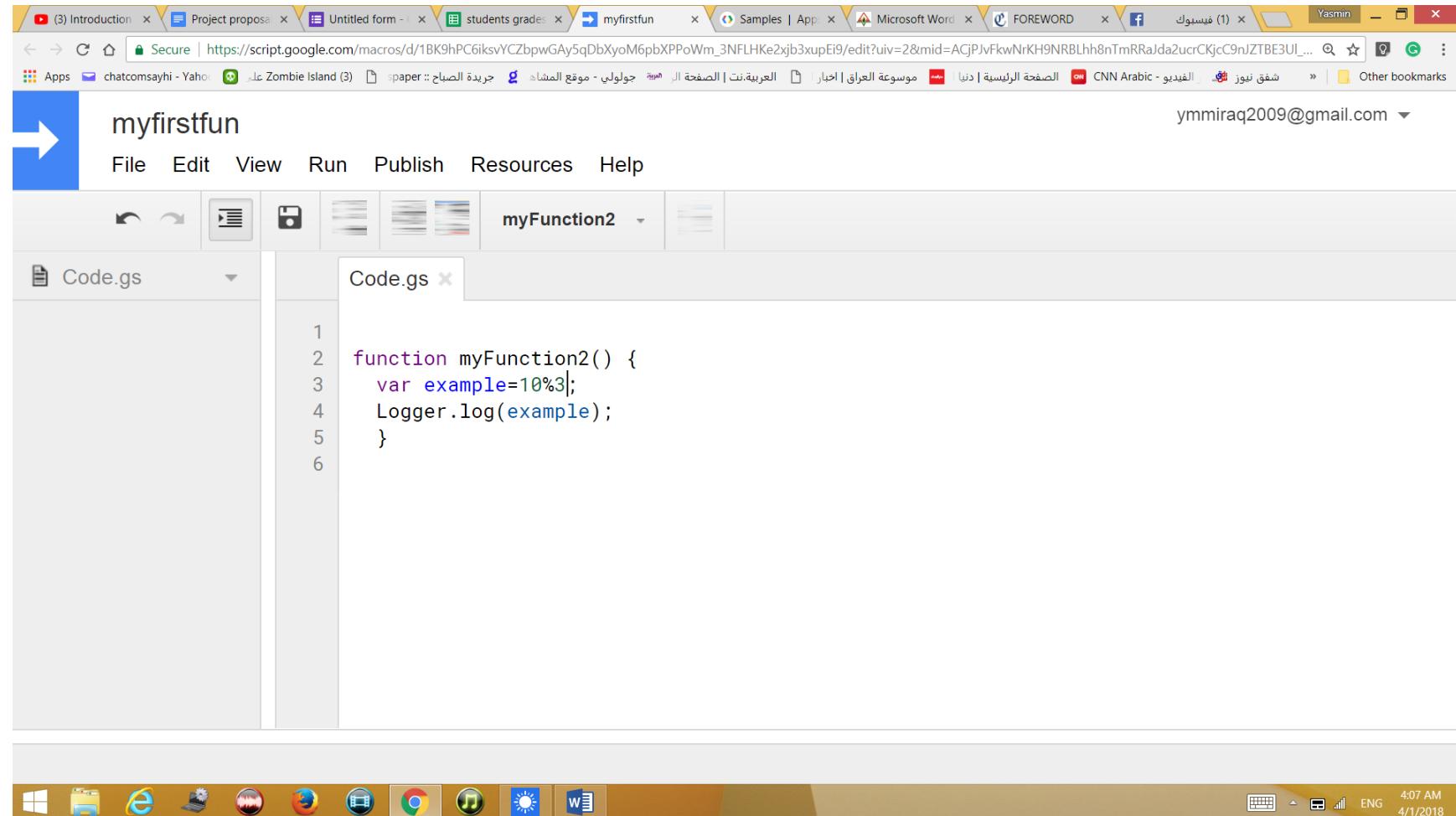
The screenshot shows the Google Apps Script editor interface. The title bar says "myfirstfun". The menu bar includes File, Edit, View, Run, Publish, Resources, and Help. The toolbar has icons for undo, redo, save, and other functions. A dropdown menu shows "myFunction2". The code editor window is titled "Code.gs" and contains the following code:

```
1
2 function myFunction2() {
3     var example=5.5+10;
4     Logger.log(example);
5 }
6
```

The status bar at the bottom shows the Windows taskbar with various icons and the date/time "4/1/2018 4:06 AM".

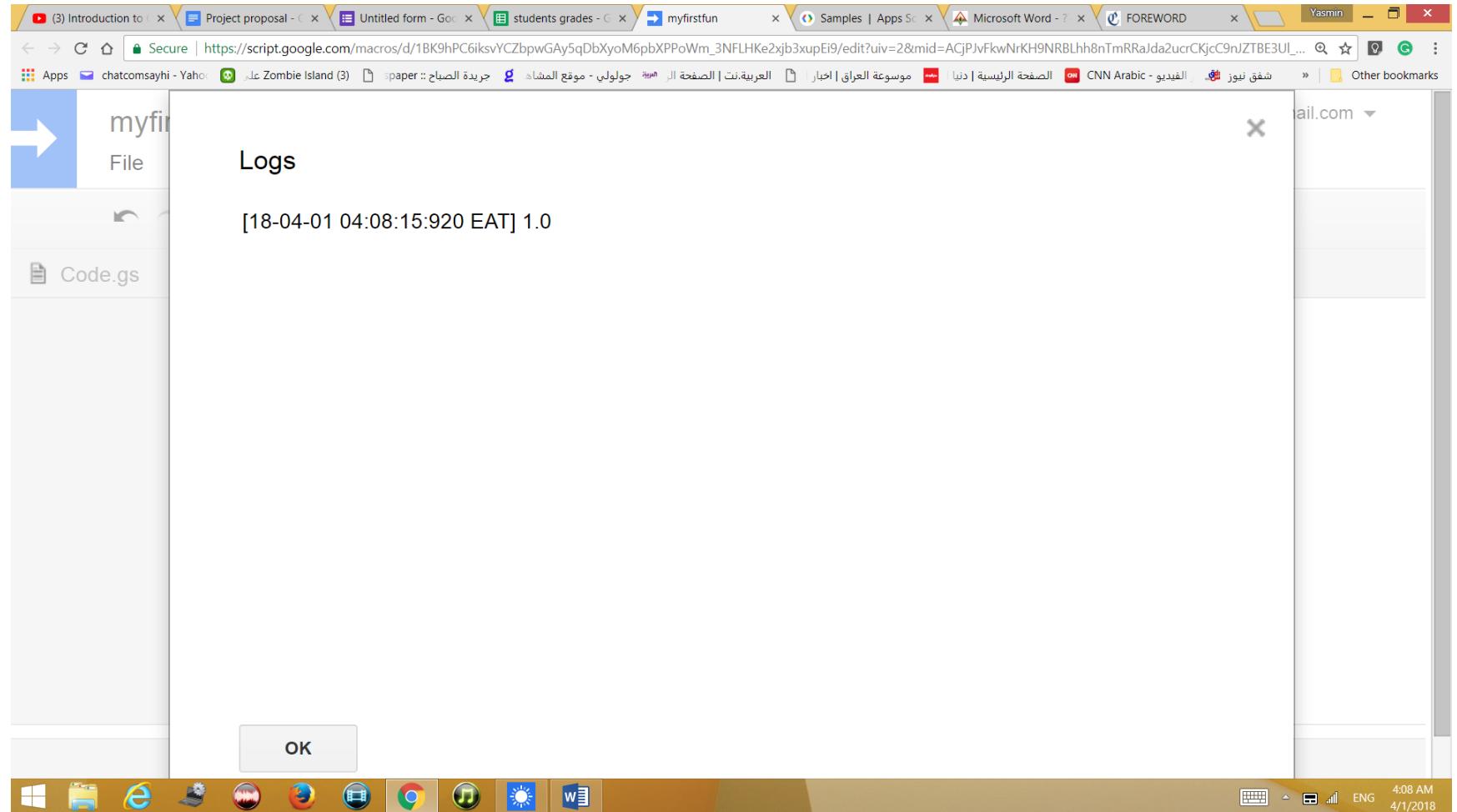


Reminder



The screenshot shows a Google Chrome browser window with multiple tabs open. The active tab is 'myfirstfun' in the Google Apps Script editor. The code in 'Code.gs' is:

```
1 function myFunction2() {
2   var example=10%3;
3   Logger.log(example);
4 }
5
6
```

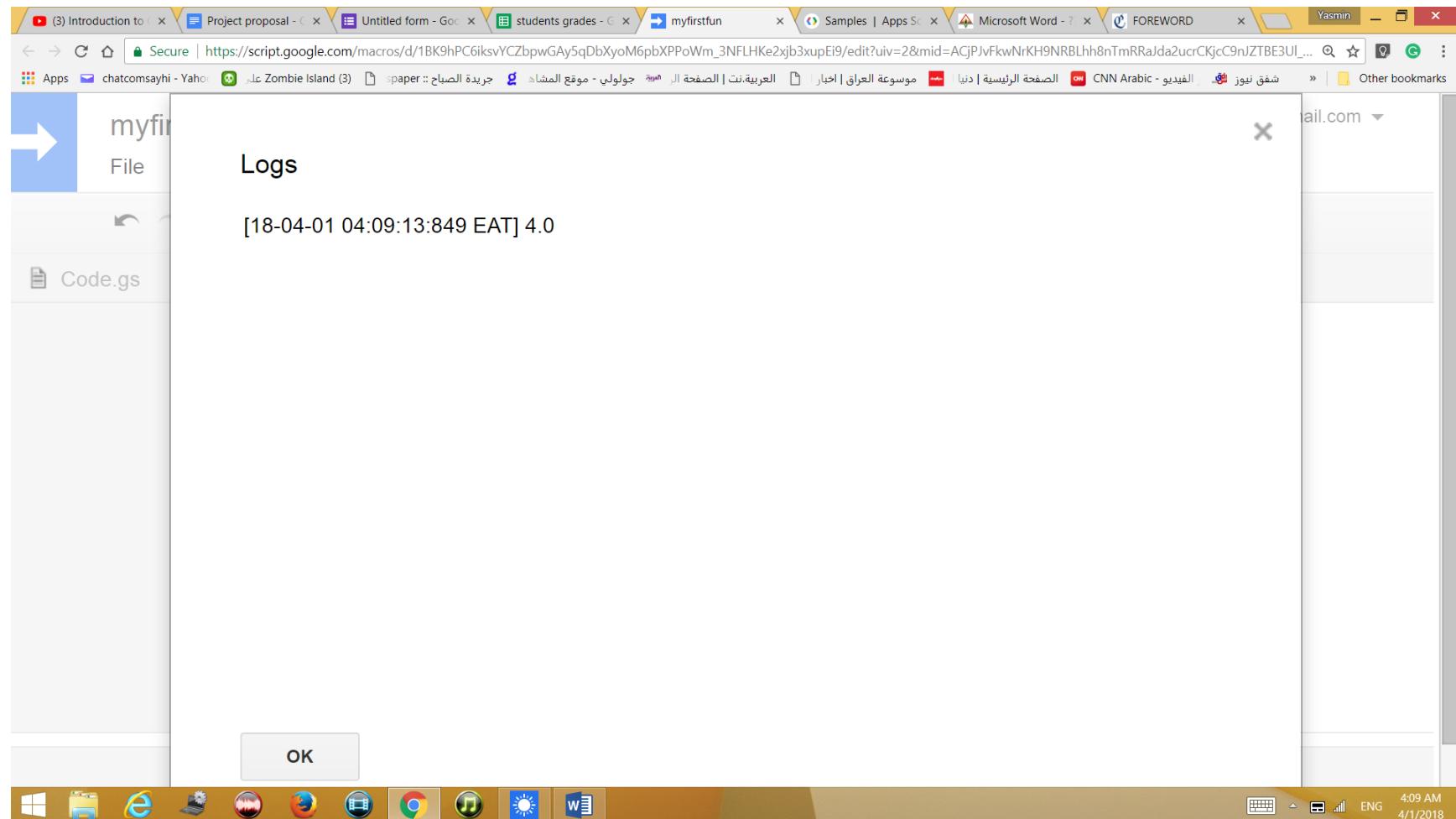


The screenshot shows a Google Chrome browser window with multiple tabs open. The active tab is 'myfirstfun' in the Google Apps Script editor. The window title is 'myfirstfun'. The menu bar includes File, Edit, View, Run, Publish, Resources, and Help. The toolbar has icons for back, forward, save, and other functions. The code.gs file contains the following code:

```
1 function myFunction2() {
2   var example=10%6;
3   Logger.log(example);
4 }
5
6
```

The status bar at the bottom shows the Windows taskbar with various pinned icons and the system tray indicating the date and time as 4/1/2018 at 4:08 AM.

11



Math Library

The screenshot shows the Google Apps Script editor interface. The title bar says "myfirstfun". The menu bar includes File, Edit, View, Run, Publish, Resources, and Help. The toolbar has icons for undo, redo, save, and other file operations. A code editor window titled "Code.gs" contains the following code:

```
1 function myFunction2() {
2   var example=10%6;
3   Math.|
```

A code completion dropdown menu is open at the cursor position, showing the following suggestions:

- E : Number
- LN10 : Number
- LN2 : Number
- LOG10E : Number
- LOG2E : Number
- PI : Number
- SQRT1_2 : Number
- SQRT_2 : Number

The status bar at the bottom shows system icons and the text "4:12 AM 4/1/2018".

The screenshot shows the Google Apps Script editor interface. The title bar says "myfirstfun". The menu bar includes File, Edit, View, Run, Publish, Resources, and Help. The toolbar has icons for back, forward, save, and other file operations. A sidebar on the left shows "Code.gs" with the following code:

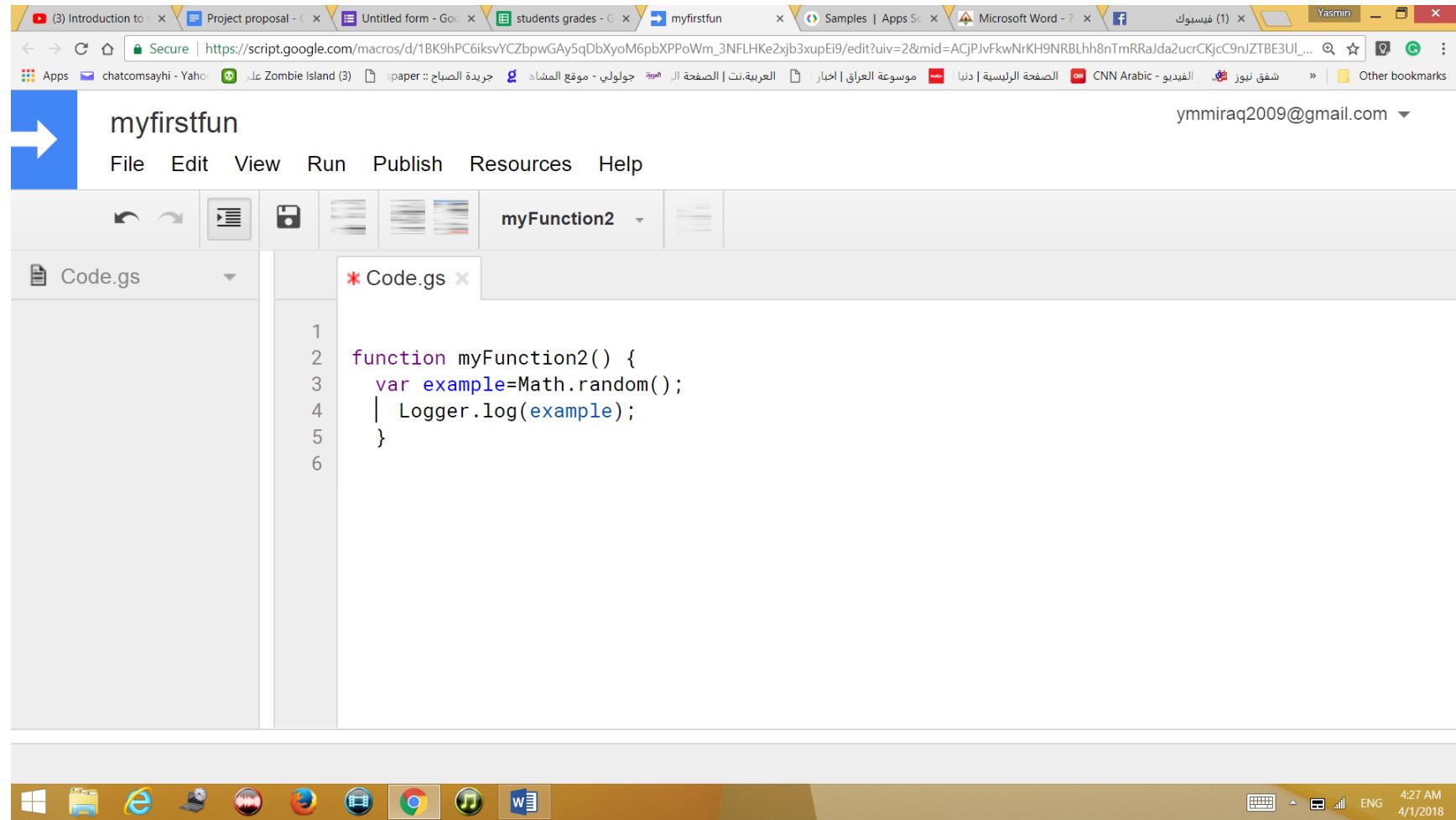
```
1 function myFunction2() {
2   var example=10%6;
3   Math.
4   Logg
5   }     abs(Number x) : Number
6           acos(Number x) : Number
7           asin(Number x) : Number
           atan(Number x) : Number
           atan2(Number y, Number x) : Number
           ceil(Number x) : Integer
           cos(Number x) : Number
           exp(Number x) : Number
```

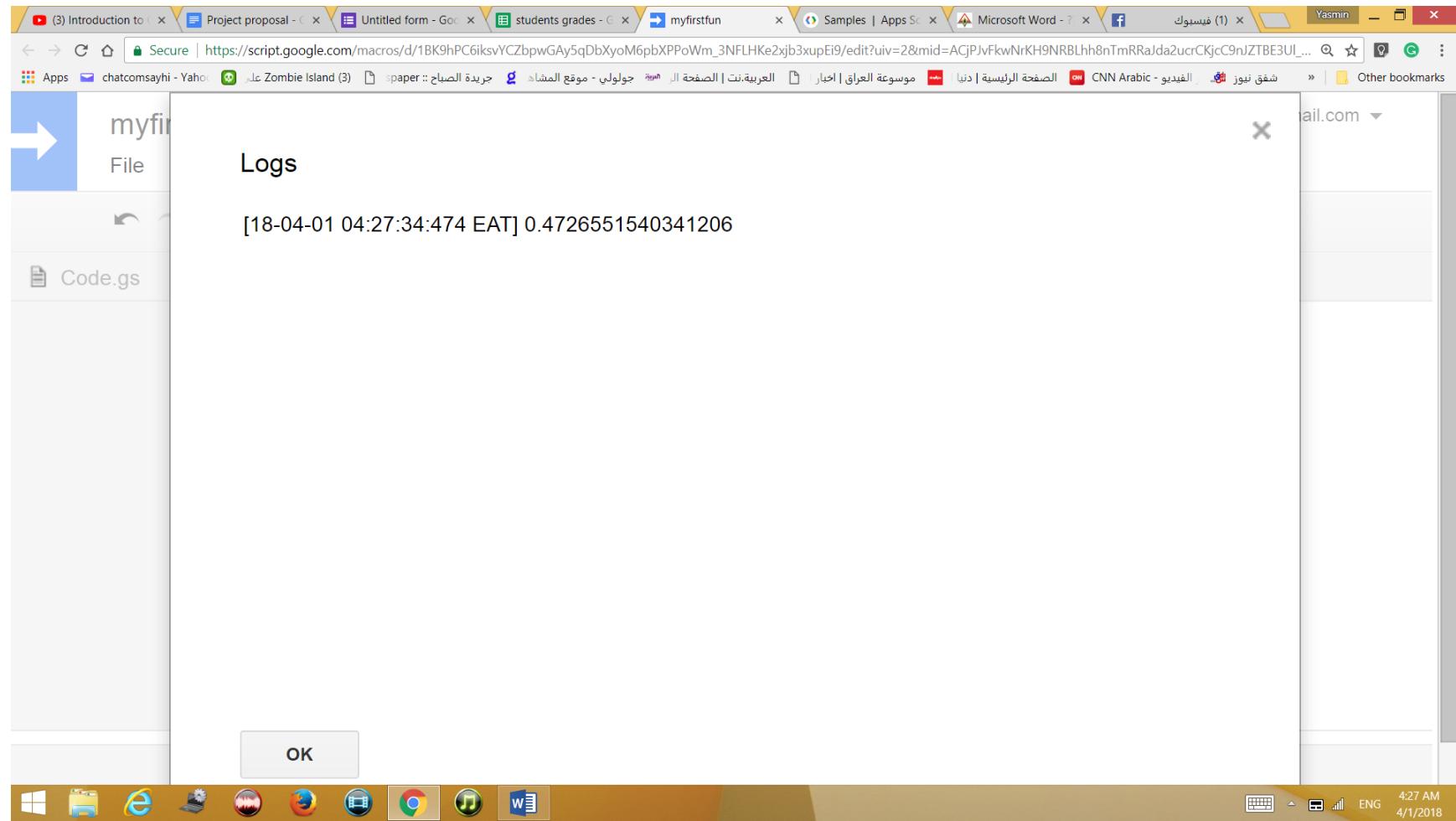
A tooltip or code completion dropdown is open over the "Math." part of the code, listing various mathematical functions like abs, acos, asin, atan, atan2, ceil, cos, and exp. The status bar at the bottom shows system icons and the date/time: 4:14 AM 4/1/2018.

The screenshot shows the Google Apps Script editor interface. The title bar says "myfirstfun". The menu bar includes File, Edit, View, Run, Publish, Resources, and Help. The toolbar has icons for back, forward, save, and other functions. A dropdown menu "myFunction2" is open. The left sidebar shows "Code.gs". The code editor contains the following JavaScript code:

```
1 function myFunction2() {
2   var example=10%6;
3   Math.
4   Logg
5   } max(Number... values) : Number
6 min(Number... values) : Number
7 pow(Number x, Number y) : Number
random() : Number
round(Number x) : Integer
sin(Number x) : Number
sqrt(Number x) : Number
tan(Number x) : Number
```

The code editor has a light gray background with syntax highlighting. The right side of the screen shows a windowed desktop environment with various application icons in the taskbar.





Functions

Put a function in our spreed sheet :

Bulit-in functions average/count /if statement ...etc

The screenshot shows a Google Sheets document titled "students grades". The spreadsheet has the following structure:

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	student number	first name	last name	grade	average	first grade	second degree	third degree	fourth degree				
2	456	ali	mohanad	4	61.75	56	65	59	67				
3	222	ahmed	saad	4	75.5	78	66	78	80				
4	89	mohmed	ismaiel	4	83	90	65	89	88				
5	234	hassan	mazen	4	82.75	78	78	77	98				
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The formula in cell E2 is =AVERAGE(F2:I2). The cell F2 is also highlighted.

User defined function (my own function)
All the student email
first letter of first name and second name
@uomustansiriyah.edu.iq

Write a function to do that we call it EmailWriter()

Send data from sheet to function using variable names

```
function EmailWriter(names) {
```

```
}
```

Google apps script /cloud computing lab grade 4

by : yasmin maki

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	student number	first name	last name	Email	grade	average	first grade	second degree	third degree	fourth degree			
2	456	ali	mohanad	[redacted]	4	61.75	56	65	59	67			
3	222	ahmed	saad	[redacted]	4	75.5	78	66	78	80			
4	89	mohmed	ismaiel	[redacted]	4	83	90	65	89	88			
5	234	hassan	mazen	[redacted]	4	82.75	78	78	77	98			
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The screenshot shows the Google Apps Script editor interface. The title bar says "myfirstfun". The menu bar includes File, Edit, View, Run, Publish, Resources, and Help. The toolbar has icons for back, forward, save, and code. A dropdown menu shows "myFunction2". The left sidebar shows "Code.gs". The code editor contains the following function:

```
1 function EmailWriter(names) {
2   return names[0][0] + ' ' + names[0][1];
3 }
4
5
```

The status bar at the bottom shows the Windows taskbar with various pinned icons and the system tray with network, battery, and date/time information.

The screenshot shows a Google Sheets document with the following data:

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	student number	first name	last name	Email	grade	average	first grade	second degree	third degree	fourth degree			
2	456	ali	mohanad	=EmailWriter()	4	61.75	56	65	59	67			
3	222	ahmed	saad		4	75.5	78	66	78	80			
4	89	mohmed	ismaiel		4	83	90	65	89	88			
5	234	hassan	mazen		4	82.75	78	78	77	98			
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The screenshot shows a Google Sheets spreadsheet titled "students grade". The spreadsheet contains data for five students across various columns representing student number, first name, last name, email, grade, average, and three degree grades. A formula, "=EmailWriter(B2:C2)", is entered in cell E2.

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	student number	first name	last name	Email	grade	average	first grade	second degree	third degree	fourth degree			
2	456	ali	mohanad	=EmailWriter(B2:C2)	4	61.75	56	65	59	67			
3	222	ahmed	saad		4	75.5	78	66	78	80			
4	89	mohmed	ismaiel		4	83	90	65	89	88			
5	234	hassan	mazen		4	82.75	78	78	77	98			
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The screenshot shows a Google Sheets spreadsheet titled "students grades". The spreadsheet contains data for five students across various columns representing student number, first name, last name, email, and four grades. A formula, "=EmailWriter(B2:C2)", is entered in the fx bar.

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	student number	first name	last name	Email	grade	average	first grade	second degree	third degree	fourth degree			
2	456	ali	mohanad	ali mohanad	4	61.75	56	65	59	67			
3	222	ahmed	saad	ahmed saad	4	75.5	78	66	78	80			
4	89	mohmed	ismaiel	mohmed ismaiel	4	83	90	65	89	88			
5	234	hassan	mazen	hassan mazen	4	82.75	78	78	77	98			
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```
function EmailWriter(names) {  
    return names[0][0] +' '+names[0][1];  
}
```

EmailWriter is a function that concatenations to elements of array

If I want the email contains the first letter of the first name person with last name the code will be changed

```
function EmailWriter(names) {  
    return names[0][0][0]+names[0][1];  
}
```

Add domain

```
function EmailWriter(names) {  
    return names[0][0][0]+names[0][1]+"@uomustansiriyah.edu.iq"; }
```

or

```
function EmailWriter(names) {  
    return names[0][0][0]+names[0][1]+"'@uomustansiriyah.edu.iq';  
}
```

Google apps script /cloud computing lab grade 4

by : yasmin maki

The screenshot shows a Google Sheets document titled "students grades". The spreadsheet has 23 rows and 11 columns. The columns are labeled A through K. The data starts at row 1 and continues through row 5. Row 6 is empty. The data includes student numbers, names, emails, and various scores.

	A	B	C	D	E	F	G	H	I	J	K
1	student number	first name	last name	Email	grade	average	first grade	second degree	third degree	fourth degree	
2	456	ali	mohanad	amohanad@uomustansiriyah.edu.iq	4	61.75	56	65	59	67	
3	222	ahmed	saad	asaad@uomustansiriyah.edu.iq	4	75.5	78	66	78	80	
4	89	mohmed	ismael	mismael@uomustansiriyah.edu.iq	4	83	90	65	89	88	
5	234	hassan	mazen	hmazen@uomustansiriyah.edu.iq	4	82.75	78	78	77	98	
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23											

toLowerCase() funxtion

```
function EmailWriter(names) {  
    return  
    names[0][0][0].toLowerCase()+names[0][1].toLowerCase()+'@uomustansiriyah.edu  
.iq';  
}
```

Google apps script /cloud computing lab grade 4

by : yasmin maki

The screenshot shows a Google Sheets document titled "students grades". The spreadsheet has 11 columns labeled A through K. Column A is "student number", B is "first name", C is "last name", D is "Email", E is "grade", F is "average", G is "first grade", H is "second degree", I is "third degree", J is "fourth degree", and K is empty. The data for five students is as follows:

	A	B	C	D	E	F	G	H	I	J	K
1	student number	first name	last name	Email	grade	average	first grade	second degree	third degree	fourth degree	
2	456	ali	mohanad	amohanad@uomustansiriyah.edu.iq	4	61.75	56	65	59	67	
3	222	ahmed	SAAD	asaad@uomustansiriyah.edu.iq	4	75.5	78	66	78	80	
4	89	mOHMED	ismaiel	mismaiel@uomustansiriyah.edu.iq	4	83	90	65	89	88	
5	234	hassan	mazen	hmazen@uomustansiriyah.edu.iq	4	82.75	78	78	77	98	
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Secure | <https://www.google.iq/search?q=javascript+string+methods&oq=javascript+string+methods&aqs=chrome..69i57j0l5.17076j1j8&sourceid=chrome&ie=UTF-8>

Apps chatcomsayhi - Yaho Zombie Island (3) saper جولي - موقع المشاه العربية نت الصفحة الـ جريدة الصباح :: موسوعة العراق | اخبار الصفحة الرئيسية | دنيا شفق نيوز الفيديو CNN Arabic SafeSearch on

Google

javascript string methods

All Videos Images News Maps More Settings Tools

About 1,820,000 results (0.42 seconds)

String Methods	
Method	Description
search()	Searches a string for a specified value, or regular expression, and returns the position of the match
slice()	Extracts a part of a string and returns a new string
split()	Splits a string into an array of substrings
startsWith()	Checks whether a string begins with specified characters

21 more rows

JavaScript String Reference - W3Schools
https://www.w3schools.com/jsref/jsref_obj_string.asp

About this result Feedback

JavaScript String Methods - W3Schools
https://www.w3schools.com/sjs_string_methods.asp

The **slice()** Method. slice() extracts a part of a string and returns the extracted part in a new string. substring() is similar to slice(). substr() is similar to slice(). concat() joins two or more strings:

[JavaScript Numbers](#) · [indexOf\(\)](#) · [Split\(\)](#) · [Try it Yourself](#)

JavaScript String Reference - W3Schools
https://www.w3schools.com/jsref/jsref_obj_string.asp

String indexes are zero-based: The first character is in position 0, the

Part5 arrayes

Add a new function random password generator

```
function GETPASSWORD(){  
    // array  
  
    var words=['pencile','paper','math','student','teacher','textbook','CS'];  
  
    // pick the words from the array randomly generated  
    var randomNumber=Math.random()*10;  
    var password=words[0]+randomNumber;  
  
    return password;  
}
```

The screenshot shows the Google Apps Script editor interface. The title bar says "myfirstfun". The menu bar includes File, Edit, View, Run, Publish, and Help. The toolbar has icons for back, forward, save, and other functions. A sidebar on the left shows "Code.gs". The main code editor window contains the following JavaScript code:

```
1 function EmailWriter(names) {
2   return names[0][0][0].toLowerCase()+names[0][1].toLowerCase()+'@uomustansiriyah.edu.iq';
3 }
4
5 function GETPASSWORD(){
6   // array
7   var words=['pencile','paper','math','student','teacher','textbook','CS'];
8
9   // pick the words from the array randomly generated
10  var randomNumber=Math.random()*10;
11  var password=words[0]+randomNumber;
12
13  return password;
14
15 }
```

The status bar at the bottom shows the Windows taskbar with various pinned icons, and the system tray indicates the date and time as 4/1/2018, 5:52 AM.

The screenshot shows a Google Sheets spreadsheet titled "grade". The data consists of five rows of student information:

	A	B	C	D	H	I	J	K
1	student number	first name	last name	Email	second degree	third degree	fourth degree	
2	456	ali	mohanad	amohanad@uomustansiriyah.edu.iq	65	59	67	
3	222	ahmed	SAAD	asaad@uomustansiriyah.edu.iq	66	78	80	
4	89	mOHMED	ismaiel	mismaiel@uomustansiriyah.edu.iq	65	89	88	
5	234	hassan	mazen	hmazen@uomustansiriyah.edu.iq	78	77	98	

A context menu is open over the header of column D, showing options such as Cut, Copy, Paste, Paste special, Insert 1 left, Sort sheet A → Z, Sort sheet Z → A, Randomize range, Get link to this range, Define named range..., Protect range..., Conditional formatting..., and Data validation... .

The screenshot shows a Google Sheets document titled "students grades". The spreadsheet has 12 columns labeled A through K. Row 1 contains column headers: student number, first name, last name, Email, password, grade, average, first grade, second degree, third degree, and fourth degree. Rows 2 through 5 contain data for five students. The formula `=GETPASSWORD` is entered into the E2 cell. The formula bar at the top also displays `=GETPASSWORD`. The browser's address bar shows the URL `https://docs.google.com/spreadsheets/d/1OeasJl38VQJXMQvGjPGGlhDb2wNpBD1vy-sogGjVPE/edit#gid=0`.

	A	B	C	D	E	F	G	H	I	J	K
1	student number	first name	last name	Email	password	grade	average	first grade	second degree	third degree	fourth degree
2	456	ali	mohanad	amohanad@uomustansiriyah.edu.iq	=GETPASSWORD	4	61.75	56	65	59	67
3	222	ahmed	SAAD	asaad@uomustansiriyah.edu.iq		4	75.5	78	66	78	80
4	89	mOHMED	ismaiel	mismaiel@uomustansiriyah.edu.iq		4	83	90	65	89	88
5	234	hassan	mazen	hmazen@uomustansiriyah.edu.iq		4	82.75	78	78	77	98
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Google apps script /cloud computing lab grade 4

by : yasmin maki

The screenshot shows a Google Sheets document titled "students grades". The spreadsheet has 9 columns labeled A through I. Column A is "student number", B is "first name", C is "last name", D is "Email", E is "password", F is "grade", G is "average", H is "first grade", and I is "second degree". Rows 1 through 5 contain data for five students. The "password" cell for the third student (row 3) is highlighted with a blue selection bar.

	A	B	C	D	E	F	G	H	I
1	student number	first name	last name	Email	password	grade	average	first grade	second degree
2	456	ali	mohanad	amohanad@uomustansiriyah.edu.iq	pencile0.17272391306543966	4	61.75	56	65
3	222	ahmed	SAAD	asaad@uomustansiriyah.edu.iq		4	75.5	78	66
4	89	mOHMED	ismaiel	mismaiel@uomustansiriyah.edu.iq		4	83	90	65
5	234	hassan	mazen	hmazen@uomustansiriyah.edu.iq		4	82.75	78	78
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Google apps script /cloud computing lab grade 4

by : yasmin maki

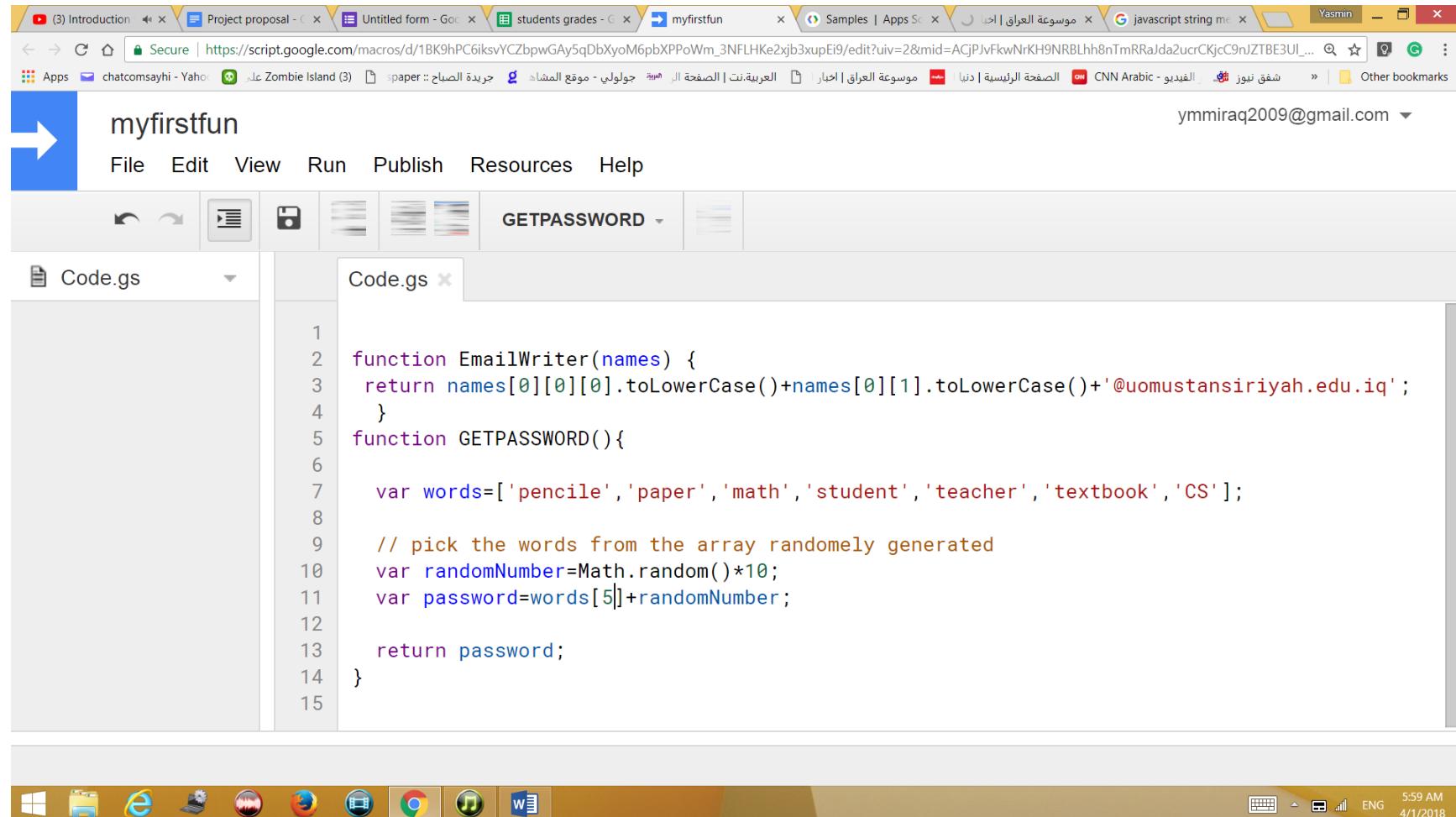
A screenshot of a Google Sheets spreadsheet titled "students grades". The spreadsheet contains data for students with columns for student number, first name, last name, email, password, grade, average, first grade, and second degree. Row 5 shows a formula '=GETPASSWORD()' in cell E1. The password column (E) for rows 2, 3, 4, and 5 displays "Loading...". The spreadsheet is part of a Google Apps project with other tabs like "myfirstfun" and "Samples | Apps Script" visible in the background.

	A	B	C	D	E	F	G	H	I
1	student number	first name	last name	Email	password	grade	average	first grade	second degree
2	456	ali	mohanad	amohanad@uomustansiriyah.edu.iq	pencile0.17272391306543966	4	61.75	56	65
3	222	ahmed	SAAD	asaad@uomustansiriyah.edu.iq	Loading...	4	75.5	78	66
4	89	mOHMED	ismaiel	mismaiel@uomustansiriyah.edu.iq	Loading...	4	83	90	65
5	234	hassan	mazen	hmazen@uomustansiriyah.edu.iq	Loading...	4	82.75	78	78
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1

	A	B	C	D	E	F	G	H	I
1	student number	first name	last name	Email	password	grade	average	first grade	second degree
2	456	ali	mohanad	amohanad@uomustansiriyah.edu.iq	pencile0.7456513525899623	4	61.75	56	65
3	222	ahmed	SAAD	asaad@uomustansiriyah.edu.iq	pencile0.5409614347775908	4	75.5	78	66
4	89	mOHMED	ismaiel	mismaiel@uomustansiriyah.edu.iq	pencile0.6310582964120139	4	83	90	65
5	234	hassan	mazen	hmazen@uomustansiriyah.edu.iq	pencile0.031193564841782706	4	82.75	78	78
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Secure | https://script.google.com/macros/d/1BK9hPC6iksvYCZbpwGAy5qDbXyoM6pbXPPoWm_3NFLHKe2xb3xupEi9/edit?uiv=2&mid=ACjPJvFkwNrKH9NRBLhh8nTmRRajda2ucrCKjcC9nJZTBE3UI... Yasmin

myfirstfun

Code.gs

```
function EmailWriter(names) {
  return names[0][0][0].toLowerCase()+names[0][1].toLowerCase()+'@uomustansiriyah.edu.iq';
}
function GETPASSWORD(){
  var words=['pencile','paper','math','student','teacher','textbook','CS'];
  // pick the words from the array randomly generated
  var randomNumber=Math.random()*10;
  var password=words[5]+randomNumber;
  return password;
}
```

File Edit View Run Publish Resources Help

GETPASSWORD

	A	B	C	D	E	F	G	H	I
1	student number	first name	last name	Email	password	grade	average	first grade	second degree
2	456	ali	mohanad	amohanad@uomustansiriyah.edu.iq	textbook7.287594210421377	4	61.75	56	65
3	222	ahmed	SAAD	asaad@uomustansiriyah.edu.iq	textbook7.096303608797094	4	75.5	78	66
4	89	mOHMED	ismaiel	mismaiel@uomustansiriyah.edu.iq	textbook9.734625764660574	4	83	90	65
5	234	hassan	mazen	hmazen@uomustansiriyah.edu.iq	textbook0.29626603423987485	4	82.75	78	78
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1

If I want to round the number of the password I must add another math function

```
function GETPASSWORD(){
```

```
    var
```

```
    words=['pencile','paper','math','student','teacher','textbook','CS'];
```

```
// pick the words from the array randomly generated
```

```
    var randomNumber=Math.floor(Math.random()*10);
```

```
    var password=words[5]+randomNumber;
```

```
    return password;
```

```
}
```

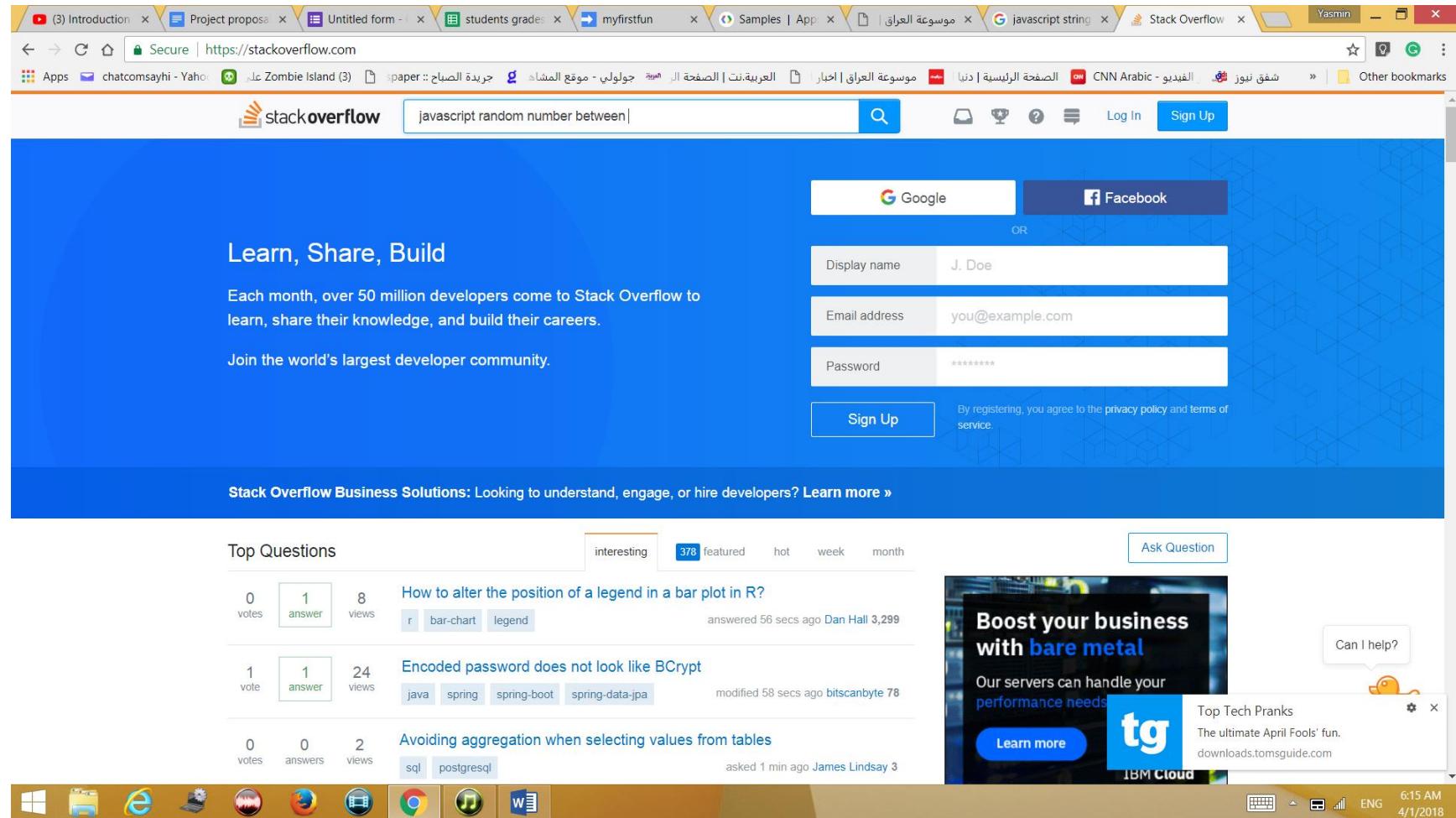
Google apps script /cloud computing lab grade 4

by : yasmin maki

	A	B	C	D	E	F	G	H	I
1	student number	first name	last name	Email	password	grade	average	first grade	second degree
2	456	ali	mohanad	amohanad@uomustansiriyah.edu.iq	textbook8	4	61.75	56	65
3	222	ahmed	SAAD	asaad@uomustansiriyah.edu.iq	textbook4	4	75.5	78	66
4	89	mOHMED	ismaiel	mismaiel@uomustansiriyah.edu.iq	textbook6	4	83	90	65
5	234	hassan	mazen	hmazen@uomustansiriyah.edu.iq	textbook6	4	82.75	78	78
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if I want the selection from array word also be randomly not just
word[0] or word[5]

I must calculate how many words in the array and I can add



Google apps script /cloud computing lab grade 4

by : yasmin maki

Secure | https://stackoverflow.com/search?q=javascript+random+number+between+

Apps chatcomsayhi - Yahoo! Zombie Island (3) paper :: جريدة الصباح :: جولوي - موقع المشاهد :: العربية.نت | الصفحة الـ :: موسوعة العراق | اخبار الصفحة الرئيسية | دنيا CNN Arabic الفيديو - شفق نيوز :: شرق آسيا :: Other bookmarks

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1162 votes 17 answers Q: Generate random number between two numbers in JavaScript Is there a way to generate a **random number** in a specified range (e.g. from 1 to 6: 1, 2, 3, 4, 5, or 6) in **JavaScript**? ... javascript random asked Feb 10 '11 by Mirgorod

1387 votes 21 answers Q: Generating random whole numbers in JavaScript in a specific range? How can I generate a **random whole number between** two specified variables in **Javascript**, e.g. x = 4 and y = 8 would output any of 4, 5, 6, 7, 8? ... javascript random integer asked Oct 6 '09 by zacharylu

235 votes 20 answers Q: Get a random number focused on center Is it possible to get a **random number between** 1-100 and keep the results mainly within the 40-60 range? I mean, it will go out of that range rarely, but I want it to be mainly within that range... Is it possible with **JavaScript/JQuery**? Right now I'm just using the basic `Math.random() * 100 + 1`... javascript algorithm random numbers asked May 27 '15 by Darryl Huffman

21 votes Q: Random number between -10 and 10 in JavaScript [duplicate] Possible Duplicate: Generating **random** numbers in **Javascript** How do I get a **random number between** -10 and 10 in **JavaScript**?

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Can I help? 

The screenshot shows a Microsoft Edge browser window with multiple tabs open. The active tab is a Stack Overflow question titled "Is there a way to generate a random number in a specified range (e.g. from 1 to 6: 1, 2, 3, 4, 5, or 6) in JavaScript?". The question has 1162 views and is tagged with "javascript" and "random". It was asked by vsync on Feb 10 '11 at 16:41 and edited on Jun 2 '16 at 21:35. The question has 240 upvotes. Below the question are several answers, the first one being from Amjad Masad. The sidebar on the right displays a blog post about a quantum computing site launch and various job advertisements for C# developers, Front End Engineers, Machine Learning engineers, and Web developers.

Is there a way to generate a random number in a specified range (e.g. from 1 to 6: 1, 2, 3, 4, 5, or 6) in JavaScript?

1162 javascript random

share improve this question

edited Jun 2 '16 at 21:35

asked Feb 10 '11 at 16:41

vsync Mirgorod

38.6k 32 134 185

8,209 16 41 58

5 Math.floor(Math.random() * 7) – Amjad Masad Feb 10 '11 at 16:45

38 Sure.. Math.floor(Math.random()*6+1) – Amjad Masad Feb 11 '11 at 0:21

1 Nabil Kadimi wrote an article on how to generate negative random numbers too. – madc Sep 4 '12 at 13:44

here is a useful gist: gist.github.com/kerimdzhanov/7529623 – Dan K.K. Nov 18 '13 at 15:43

2 possible duplicate of Generating random numbers in Javascript in a specific range? – user4463826 Feb 1 '15 at 2:55

show 8 more comments

17 Answers

active oldest votes

If you wanted to get between 1 and 6, you would calculate:

1423 Math.floor(Math.random() * 6) + 1

Where:

- 1 is the start number
- 6 is the number of possible results (1 + start - end / 1)

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Can I help? Duck icon

6:17 AM 4/1/2018

If you wanted to get between 1 and 6, you would calculate:

`Math.floor(Math.random() * 6) + 1`

Where:

- 1 is the start number
- 6 is the number of possible results ($1 + \text{start} (6) - \text{end} (1)$)

Our code will be

```
function GETPASSWORD(){  
    var words=['pencile','paper','math','student','teacher','textbook','CS','IT'];  
    // pick the words from the array randomely generated  
    var randomNumber=Math.floor(Math.random()*10);  
    var randomKey=Math.floor(Math.random() * words.length) + 1 ;  
    var password=words[5]+randomNumber;  
    return password;}
```

words.length= calculate the elements of the array

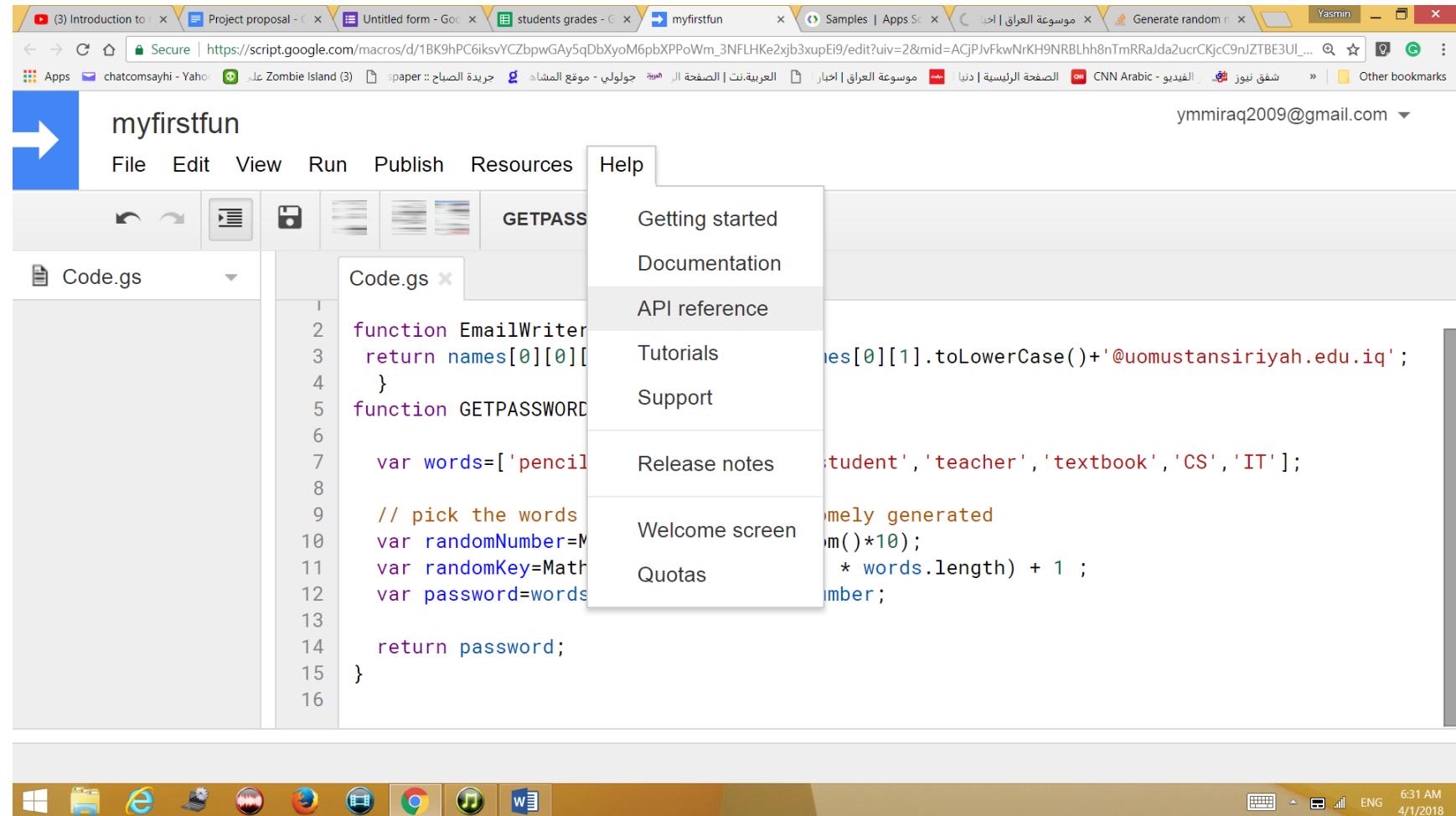
I must add randomkey to the password

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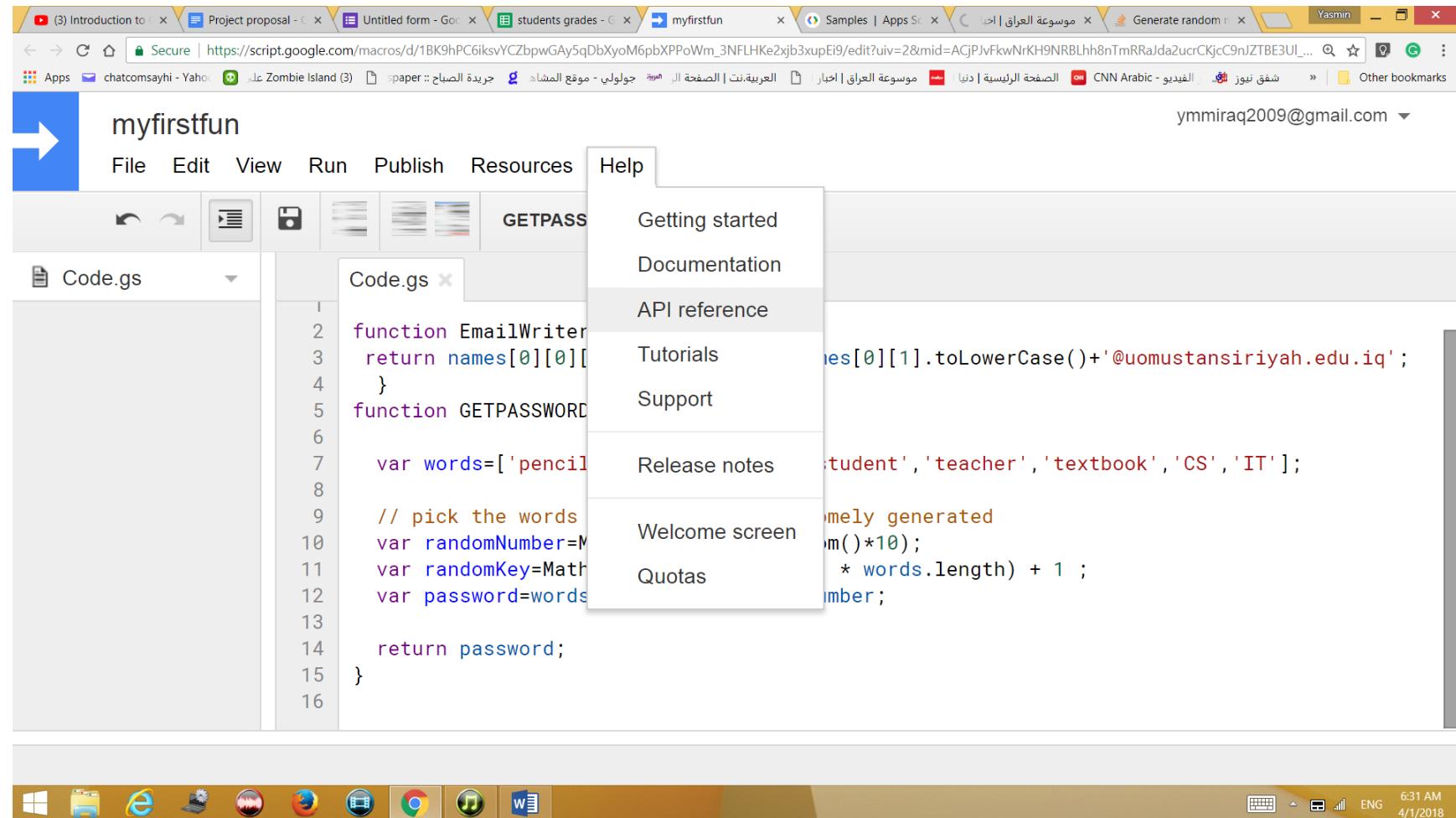
by : yasmin maki

The screenshot shows a Google Sheets document with the following data:

	A	B	C	D	E	F	G	H	I
1	student number	first name	last name	Email	password	grade	average	first grade	second degree
2	456	ali	mohanad	amohanad@uomustansiriyah.edu.iq	teacher5	4	61.75	56	65
3	222	ahmed	SAAD	asaad@uomustansiriyah.edu.iq	math9	4	75.5	78	66
4	89	mOHMED	ismaiel	mismaiel@uomustansiriyah.edu.iq	student0	4	83	90	65
5	234	hassan	mazen	hmazen@uomustansiriyah.edu.iq	student7	4	82.75	78	78
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For more information you can click API reference and tutorials



The screenshot shows a browser window with multiple tabs open at the top, including "Introduction to Google", "Project proposal - Google", "Untitled form - Google", "students grades - Google", "myfirstfun", and "Calendar Service | Apps". The main content area is the "Google Apps Script" reference for the "Calendar Service". The navigation bar at the top includes links for "HOME", "GUIDES", "REFERENCE" (which is currently selected), "SAMPLES", "SUPPORT", and "APPS SCRIPT API". A search bar and a "SEARCH" button are also present. On the left, a sidebar lists "G Suite Services" such as "Calendar", "Classes", "Enums", "Color", etc. The main content area has a heading "Calendar Service" with a five-star rating icon. Below it, a text block states: "This service allows a script to access and modify the user's Google Calendar, including additional calendars that the user is subscribed to." A section titled "Classes" contains a table with the following data:

Name	Brief description
Calendar	Represents a calendar that the user owns or is subscribed to.
CalendarApp	Allows a script to read and update the user's Google Calendar.
CalendarEvent	Represents a single calendar event.
CalendarEventSeries	Represents a series of events (a recurring event).
Color	An enum representing the named colors available in the Calendar service.
EventColor	An enum representing the named event colors available in the Calendar service.

On the right side, there is a vertical sidebar with a list of class names and their corresponding properties and methods. The classes listed are: Contents, Classes, Calendar, Methods, CalendarApp, Properties, Methods, CalendarEvent, Methods, CalendarEventSeries, Methods, Color, Properties, EventColor, Properties, EventGuest, Methods, and EventRecurrence. The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray showing the date and time (6:33 AM, 4/1/2018).

If you want tutorials click help tutorials

Google Apps Script

HOME GUIDES REFERENCE SAMPLES SUPPORT APPS SCRIPT API SEND FEEDBACK

Samples

Overview

Learning Resources

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Apps Script Samples

OAuth 2.0 Library for Apps Script

This section provides samples, tutorials and learning resources for Apps Script.

Check out the [Apps Script video library](#) for links to Apps Script introduction videos. The [intro codelab](#) is a structured guide that shows how to build a simple Apps Script application connecting Google Sheets and Google Maps.

You can also find an annotated list of articles in the [Tutorial](#) page. These articles walk you through an Apps Script solution to a specific problem, or show you how to build a specific application, step-by-step.

The other samples listed in the left navigation menu are hosted on [GitHub](#). You can fork these repositories and use the code as a reference for your own projects.

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