

Data Structure Lab

المرحلة الاولى / قسم هندسة الحاسوب

اعداد

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Q1// Size of operator returns the size of a variable. For example, size of (a), where 'a' is integer, and will return 4 find size of (char, short int, long int, float, double, wchar_t).

Q2// Write a program shows the difference between signed and unsigned integers.

Q3// Write a program uses a nested for loop to find the prime numbers from 2 to 100?

Q4// Find the smaller number if you enter two different numbers (use of if-else statements).

Q5// Write a program computes Fibonacci Series up to n number of terms (Fibonacci Series: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34).

Q6// Find the Sum of Natural Numbers using loop For Example (Enter a positive integer: 50 Sum = 1275).

Q7// Write a program Check Vowel or a Consonant Manually For Example (Enter an alphabet: u u is a vowel).

Q8// Find the Power of any Number For Example (Enter base and power: 5 3 Power is: 125).

Q9// Find the Square Root of a Number For Example (Enter any Num: 9 Squire of 9 is: 3).

Q10// Write a program copy one String into another String For Example (Enter string s1: Kumar String s2: Kumar).

Q11// Write a program Print Stars Pattern like.

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  ***********
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Q12// Write a program for making a Swap between two numbers using third variables.

Q13//Write a Program to Find number of Digits from any number.

Q14//Write a program to Find Largest Number among three numbers.

Q15// Write a program to find sum of digits of a number.

Q16// Write a program to convert decimal number to binary number.

Q17// Write a program to Reverse a String For Example (Enter any string: hitesh Reverse String is : hsetih).

Q18// Write a program to Combined two string For Example (1 st String: john 2 nd String :porter Combined string is : johnporter).

Q19// Write a program to Sort Elements of Array in Ascending Order A [10].

Q20// Write a program to Sort Elements of Array in Descending Order A [10].

Q21// Write a program to Addition of two matrix X[3][3],Y[3][3].

Q22// Write a program to Merge two Arrays in third array A[10],B[10],C[20].

Q23// Write a program to Find Even and Odd Elements in Array A[20].

Q24// Write a program to Reverse an Array.

Q25// Write a program to Find Sum of an Array Elements A[4].

Q26// Write a program to Find Duplicate Elements in Array A[5].

Q27// Write a program to Calculate $(1*1) + (2*2) + (3*3) + (4*4) + (5*5) + \dots + (n*n)$ series.

Q28// Write a program to Calculate the Sum of Series $1 + 1/2 + 1/3 + 1/4 + \dots + 1/N$.

Q29// Write a program to Compute the Sum of Series $1/1! + 1/2! + 1/3! + 1/4! + \dots + 1/n!$

Q30// Write a program to add all number entered by user until user enters 0 using break statement.

Q31// Write a program to display integer from 1 to 10 except 6 and 9 using Continue statement.