Do / While Statement:

General Form of Do / While statement:
Do
Statement1;

While (condition);
Do
{
Statement1;
Statement2;
.
.
Statement n;
}
While (condition);

Example 1: i = 0;
do
{
cout << i;
i ++;
}
while (i < 10)
Output:
0 1 2 3 4 5 6 7 8 9 i=10

Example 2: i = 0;
```
do
{
cout << i;
i += 2;
}
while ( i < 10 )
```
Output: *even numbers only*
0 2 4 6 8 i=10 *C ++ Language LECTUERE 8 L. Lamiaa M. 2016/2017*
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Example 6:

Write C++ program to valid input checking, that accept the numbers between 50 ... 70 only:

```cpp
#include<iostream>
using namespace  std;

int  main( )
{
int accept = 1;
int x, low = 50, high = 70;
do
{
cout << "enter number: "; cin >> x;
if ( x >= low && x <= high ) accept =1;
else
accept = 0;
}
while ( ! accept );  return 0;
}
```

Example 7:

Write C++ program to find the summation of student's marks, and it's average, assume the student have 8 marks:

```cpp
#include<iostream>
using namespace  std;

 int  main( )
{
int mark, i, sum = 0; float av = 0;
i = 1; do
{
cout << "enter mark: "; cin >> mark;
sum = sum + mark; i++;
}
while ( i <= 8 )
cout << "sum is: " << sum << endl; av = sum / 8;
cout << "average is: " << av;    return 0;
}
```

Example 8:
Write C++ program to find the factorial of n:
*n! = n * n-1 * n-2 * n-3 * … * 2 * 1*

```cpp
#include<iostream>
using namespace std;

int main( )
{
int n, f = 1;
cout << "enter positive number: "; cin >> n;
do
{
f = f * n;
n --;
}
while ( n > 1 );
cout << "factorial is: " << f;  return 0;
}
```

Example 8:
Write C++ program to print a certain number of times the word.

```cpp
#include<iostream>
using namespace std;
Int main()
{
int counter;
cout<<"How many hellos?";
cin>>counter;
do
{
cout<<" Hello\n";
counter - - ;
}
while(counter>0);
cout<<"Counter is:"<<counter<<endl; return 0;
}
```