

OBJECT ORIENTED PROGRAMMING WITH C++

Tutorial-01

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Date : 24-02-2022.

Qn.No.1:

Write a C++ program to guess a number.

Program:

```
#include<iostream>
#include<ctime>
#include<cstdlib>
using namespace std;
int main()
{
    srand(time(0));
    int num, a, chance=10;
    num=rand() % 10 + 1;    //random number from 1 to 10

    do
    {
        cout<<"\nEnter a number (0-9):";
        cin>>a;
        chance=chance-1;
        if(a==num)
        {
            cout<<"\nGuessed Correctly\n";
        }
        else
        {
            cout<<"\nNot Correct..... Try again ";
            cout<<chance;
            cout<<" more chances left\n";
        }
        if (chance==0)
        {
            break;
        }
    }while(a!=num);

    return 0;
}
```

Output:

```
Enter a number (0-9):1
Not Correct..... Try again 9 more chances left
Enter a number (0-9):2
Not Correct..... Try again 8 more chances left
Enter a number (0-9):3
Not Correct..... Try again 7 more chances left
Enter a number (0-9):4
Not Correct..... Try again 6 more chances left
Enter a number (0-9):5
Not Correct..... Try again 5 more chances left
Enter a number (0-9):6
Not Correct..... Try again 4 more chances left
Enter a number (0-9):7
Not Correct..... Try again 3 more chances left
Enter a number (0-9):8
Guessed Correctly
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Process exited after 6.945 seconds with return value 0
Press any key to continue . . .
```

*****End*****