# IT IS A SIMPLE AND INTERESTING NUMBER GUESSING GAME BUILD USING C++ FUNCTIONS.

In this game user has to choose random number between 1-10 and computer will generate its own random number between 1-10 and if user number matches with computer then user guess correct answer else wrong answer.

It helps user to think about numbers,approximations and various combinations.

# C++ CODE :QUIZ GAME IN C++

#include<iostream>

#include<cstdlib>

using namespace std;

int main()

{

int x,y,z=0,r=0,f=0;

cout<<"\*\*\*\*\*\*\*\*Welcome to guess number game .\*\*\*\*\*\*\*\*\*\*\n"<<endl;

char ch;

do

{

cout<<"Enter the guess number from 1-10 you think ";

cin>>x;

cout<<endl;

y=rand()%10+1;

if(y==x)

{

cout<<"Congratulations you guess correct number "<<endl;

z++;

}

else

{

cout<<"Sorry,wrong guessed number Try again "<<endl;

r++;

}

f++;

cout<<"Do you want to try again y/n ";

cin>>ch;

cout<<endl;

if(ch=='n'||ch=='y'){}

else

{

cout<<"Invalid input.Plz enter again to play game or to exit "<<endl;

}

}while(ch!='n');

cout<<"You tried "<<f<<"times"<<endl;

cout<<"You guessed correct number "<<z<<" times"<<endl;

cout<<"You guessed wrong number "<<r<<" times"<<endl;

}

**OUTPUT:**

\*\*\*\*\*\*\*\*Welcome to guess number game .\*\*\*\*\*\*\*\*\*\*

Enter the guess number from 1-10 you think 6

Sorry,wrong guessed number Try again  
Do you want to try again y/n n

You tried 1times  
You guessed correct number 0 times  
You guessed wrong number 1 times

**EXPLANATION**:

In this game we use do-while loop  and user is asked to choose a number between 1-10 and if number matches to number generated by computer than he guess correct number and will be incremented and stored in z similary,wrong answers will be counted and stored in r.

It keeps the number of times u play game and is stored in variable f.

If you wish to continue the game say yes 'y' else no 'N'.

So this game provide workout to your brain.