## ****Number guessing game with Python and C++****

**In this section, how to create a number guessing game as a Python and** [**C++ project**](https://imhmdi.com/%d8%b2%d8%a8%d8%a7%d9%86-%d8%a8%d8%b1%d9%86%d8%a7%d9%85%d9%87-%d9%86%d9%88%db%8c%d8%b3%db%8c-c/)**I will teach you for free. Number guessing game includes user input management, use of if statement and looping structures .**

**How does the number guessing game work?**

**The goal of the number guessing game is to guess the number that the app is built with. The logic of such a program is basically this :**

* **The program randomly selects a number between 1 and 100 or any other combination of numbers .**
* **Then he asks the player to enter his offer .**
* **It then checks whether this number is the same as the one randomly generated by the computer. If so, the player wins .**
* **If the player's guess is not the same as that number, then this free python project checks whether the number is higher or lower than the guess and informs the player about this .**

**we can create a number guessing game with Python and C++ programming language .**

### ****Number guessing game with Python :****

**# to import random modules**

**import random**

**# to create a range of random numbers between 1-10**

**n = random . randrange ( 1 , 100 )**

**# to take a user input to enter a number**

**guess = int ( input ( "Enter any number: " ))**

**while n != guess : # means if n is not equal to the input guess**

**# if guess is smaller than n**

**if guess < n :**

**print ( "Too low" )**

**# to again ask for input**

**guess = int ( input ( "Enter number again: " ))**

**# if guess is greater than n**

**elif guess > n :**

**print ( "Too high!" )**

**# to ask again for the user input**

**guess = int ( input ( "Enter number again: " ))**

**# if guess gets equal to n terminate the while loop**

**else :**

**break**

**print ( "you guessed it right!!" )**

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**Enter any number: 67**

**Too high!**

**Enter number again: 45**

**Too low**

**Enter number again: 50**

**Too low**

**Enter number again: 55**

**Too high!**

**Enter number again: 52**

**Too low**

**Enter number again: 54**

**you guessed it right!!**

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### ****Number guessing game with C++:****

**#include <iostream>**

**#include <cstdlib>**

**#include <ctime>**

**using namespace std ;**

**int main()**

**{**

**int num , guess , tries = 0 ;**

**srand(time( 0 )); // seed random number generator**

**num = rand() % 100 + 1 ; // random number between 1 and 100**

**cout << "Guess My Number Game\n\n" ;**

**do**

**{**

**cout << "Enter a guess between 1 and 100 : " ;**

**cin >> guess ;**

**tries ++ ;**

**if ( guess > number )**

**cout << "Too high!\n\n" ;**

**otherwise if ( guess < num )**

**cout << "Too low!\n\n" ;**

**otherwise**

**cout << "\nCorrect! You got it in " << tries << " guesses!\n" ;**

**} while ( guess != num );**

**return 0 ;**

**}**

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**Guess My Number Game**

**Enter a guess between 1 and 100: 78**

**Too high!**

**Enter a guess between 1 and 100: 65**

**Too high!**

**Enter a guess between 1 and 100: 34**

**Too high!**

**Enter a guess between 1 and 100: 23**

**Too high!**

**Enter a guess between 1 and 100: 12**

**Too low!**

**Enter a guess between 1 and 100: 20**

**Too low!**

**Enter a guess between 1 and 100: 22**

**Too high!**

**Enter a guess between 1 and 100: 21**

**Correct! You got it in 8 guesses!**

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