Title

Guess the number

Problem Description

Use the code provided below to start coding. That code will generate a random number between 1 and 100, inclusive. In a loop, have the user guess until they guess the correct number. If they guess too low or too high, output a suitable message to help them narrow down their search.

```cpp
#include <iostream>

#include <cmath>

#include <cstdlib>

#include <time.h>

using namespace std;


int main()

{

    srand(time(NULL)); //initialize the random number generator

    int randomNumber = rand() % 100 + 1; //generate a random number

    //your code goes here…the user must enter integers until the
    //entered integer equals randomNumber

}
```

Testing

Let's assume that the variable randomNumber stores 43 for the sake of testing.

Input	Output
50	Too high!
20	Too low!
43	Got it!

Time Target

*** less than 10 minutes

** 10-15 minutes

* greater than 15 minutes

Section

loops