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Guess The Number

Code Id 42

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Title Guess the number

Description

The computer generates a random number between 1 and MAX_RANGE. The user must guess the number. Each time the user makes an attempt the computer tells if the number is greater or less than.

Codes Snippet

```
// *****
//      name:      "Guess the number"
//      description:
//                  The computer generates a random number
//                  between 1 and MAX_RANGE. The user must
//                  guess the number. Each time the user
//                  makes an attempt the computer tells if
//                  the number is greater or less than.
// *****
//program:
#include
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// Define the greatest possible value:
#define MAX_RANGE 100

main ()
{
    int counter=0;
    long value,input;

    srand ( time (NULL) );      // Initialize random generator
    value = rand()%MAX_RANGE+1; // Get random between 1 and MAX_RANGE

    cout << "nInsert a value between 1 and " << MAX_RANGE << " : ";

    do {

        cin >> input;           // Get user input
        counter++;              // increase attempts counter

        if (value>input)        // is value greater than the input?
            cout << "Value is greater than " << input << ". Try again : ";

        else if (value<input)   << "Value is less than " << input << ".

        else {                  // else it is the correct number!
            cout << "That's right! Value was " << input;
            cout << "nYou have needed " << counter << " attempts.";
        }

    } while (value!=input);
    return 0;
}
```

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