

main.cpp

```
1 #include <iostream>
2 #include <cstdlib>
3 #include <ctime>
4
5 int main() {
6     std::srand(static_cast<unsigned int>(std::time(nullptr)));
7
8
9     int target = std::rand() % 100 + 1;
10    int guess;
11
12
13    std::cout << "Welcome to the Number Guessing Game!\n";
14    std::cout << "I'm thinking of a number between 1 and 100.\n";
15
16
17    do {
18        std::cout << "Enter your guess: ";
19        std::cin >> guess;
20
21        if (guess > target) {
22            std::cout << "Too high! Try again.\n";
23        } else if (guess < target) {
24            std::cout << "Too low! Try again.\n";
25        } else {
26            std::cout << "Congratulations! You guessed the number!\n";
27        }
28    } while (guess != target);
29
30    return 0;
31 }
32
```

Run

Output

Clear

```
Welcome to the Number Guessing Game!
I'm thinking of a number between 1 and 100.
Enter your guess: 56
Too low! Try again.
Enter your guess: 78
Too high! Try again.
Enter your guess: 67
Too high! Try again.
Enter your guess: 58
Congratulations! You guessed the number!
```

```
*** Code Execution Successful ***
```