

GUESSING NUMBER GAME

```
#include <iostream>
```

```
#include <cstdlib> // For rand() and srand()
```

```
#include <ctime> // For time()
```

```
int main() {
```

```
    // Initialize random seed based on current time  
    srand(time(0));
```

```
    // Generate a random number between 1 and 10
```

```
    int numberToGuess = rand() % 10 + 1;
```

```
    int userGuess;
```

```
    std::cout << "Welcome to the Number Guessing Game!" <<  
    std::endl;
```

```
    std::cout << "I have selected a random number between 1  
    and 10." << std::endl;
```

```
    // Ask the user to guess the number
```

```
    do {
```

```
        std::cout << "Enter your guess: ";
```

```
        std::cin >> userGuess;
```

```
        if (userGuess < numberToGuess) {
```

```
        std::cout << "Too low! Try again." << std::endl;
    } else if (userGuess > numberToGuess) {
        std::cout << "Too high! Try again." << std::endl;
    }
} while (userGuess != numberToGuess);

// User guesses correctly
std::cout << "Congratulations! You guessed the number " <<
numberToGuess << " correctly!" << std::endl;

return 0;
}
```