Writing your first C++ Hello World program

Follow the example code below to write your first C++ program. Remember to be careful with the symbols that you use.

```
1    #include <iostream>
2
3    using namespace std;
4
5    int main() {
6       cout << "Hello World";
7    }
```

User Input

Next we are going to get some user input, but before we are able to receive user input we need somewhere to store the data.
- Declare an integer variable called aNumber (the same way you would declare an integer in Processing).
- Ask the user to "Pick a number" using cout.
- Accept the user input and store it in aNumber.

```
cin >> aNumber;
```

- Print out the number.

Number Guessing Game

Now that we are able to receive user input we want to make a game. This is going to be a simple number guessing game.
- Using the code you have previously written you need to create a new int variable that will store the number we want to guess.
- Then you will need to make your guess and store it in a variable.
- Finally you need to check if the guess is correct, if it is too high or too low.
- Next we need to make the answer a random number. We can use the code below to do this.

```
int answer = rand() % 10;
```