C++ User Input

You have already learned that cout is used to output (print) values. Now we will use cin to get user input.

cin is a predefined variable that reads data from the keyboard with the extraction operator (>>).

In the following example, the user can input a number, which is stored in the variable x. Then we print the value of x:

Example

int x;   
cout << "Type a number: "; // Type a number and press enter  
cin >> x; // Get user input from the keyboard  
cout << "Your number is: " << x; // Display the input value

[Run example »](https://www.w3schools.com/cpp/showcpp.asp?filename=demo_user_input)

Good To Know

cout is pronounced "see-out". Used for **output**, and uses the insertion operator (<<)

cin is pronounced "see-in". Used for **input**, and uses the extraction operator (>>)

Creating a Simple Calculator

In this example, the user must input two numbers. Then we print the sum by calculating (adding) the two numbers:

Example

int x, y;  
int sum;  
cout << "Type a number: ";  
cin >> x;  
cout << "Type another number: ";  
cin >> y;  
sum = x + y;  
cout << "Sum is: " << sum;