Input in C++

The cin object C++ is used to accept the input from the standard input device i.e., keyboard. it is the instance of the class istream. It is associated with the standard C input stream stdin. The extraction operator(>>) is used along with the object cin for reading inputs. The extraction operator extracts the data from the object cin which is entered using the keyboard.

standard input stream (cin): Usually the input device in a computer is the keyboard. C++ cin statement is the instance of the class **istream** and is used to read input from the standard input device which is usually a keyboard.

The extraction operator(>>) is used along with the object **cin** for reading inputs. The extraction operator extracts the data from the object **cin** which is entered using the keyboard.

C++ program to implement cin object to take input from the user:

```cpp
#include <iostream>
using namespace std;

int main()
{
    int age;
    cout << "Enter your age:";
    cin >> age;
    cout << "\nYour age is: " << age;
    return 0;
}
```

Input

```
18
```

Output

```
Enter your age:
Your age is: 18
```

The above program asks the user to input the age. The object cin is connected to the input device. The age entered by the user is extracted from cin using the extraction operator(>>)

and the extracted data is then stored in the variable **age** present on the right side of the extraction operator.

Note: Multiple inputs can also be taken using the extraction operators(>>) with cin.

C++ program to implement multiple inputs from the user:

```cpp
// C++ program to demonstrate the taking
// multiple inputs from the user
#include <iostream>
using namespace std;
int main()
{
    string name;
    int age;

    // Take multiple input using cin
    cin >> name >> age;

    // Print output
    cout << "Name : " << name << endl;
    cout << "Age : " << age << endl;
    return 0;
}
```

Input:

```
ABC
10
```

Output:

```
Name : ABC
Age : 10
```