

Your Name Here

CSC 2134 Z Programming I with C++

Lab 02

Variable & User Input Sidebar

Variables & User Input	
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●	Variables in C++
●	Variable Syntax
●	Variable Types
●	Quiz
●	Exercise 1: Declaration and Initialization Of Data Types
●	Exercise 2: Taking Inputs From Widget

Variable & User Input Exercise 1 Code

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     //variables
6     int intNumber = 30;
7     float floatNumber=30.78;
8     double doubleNumber=45.1234;
9     bool boolean=true;
10    char charName='u';
11
12    cout << "Value of Integer is: " << intNumber << endl;
13    //cout your integer variable here
14    cout<< endl;
15    cout << "Value of Float is: " << floatNumber << endl;
16    //cout your float variable here
17    cout<<endl;
18    cout << "Value of Double is: " << doubleNumber << endl;
19    //cout your double variable here
20    cout<< endl;
21    cout << "Value of Char is: " << charName << endl;
22    //cout your char variable here
23    cout<< endl;
24    cout << "Value of Bool is: " << boolean << endl;
25    //cout bool double variable here
26    //really dislike how similar 1 and l look to my half blind eyes, that took me a while to figure out.
27    cout<< endl;
28    return 0;
29 }
```

Run Save Reset

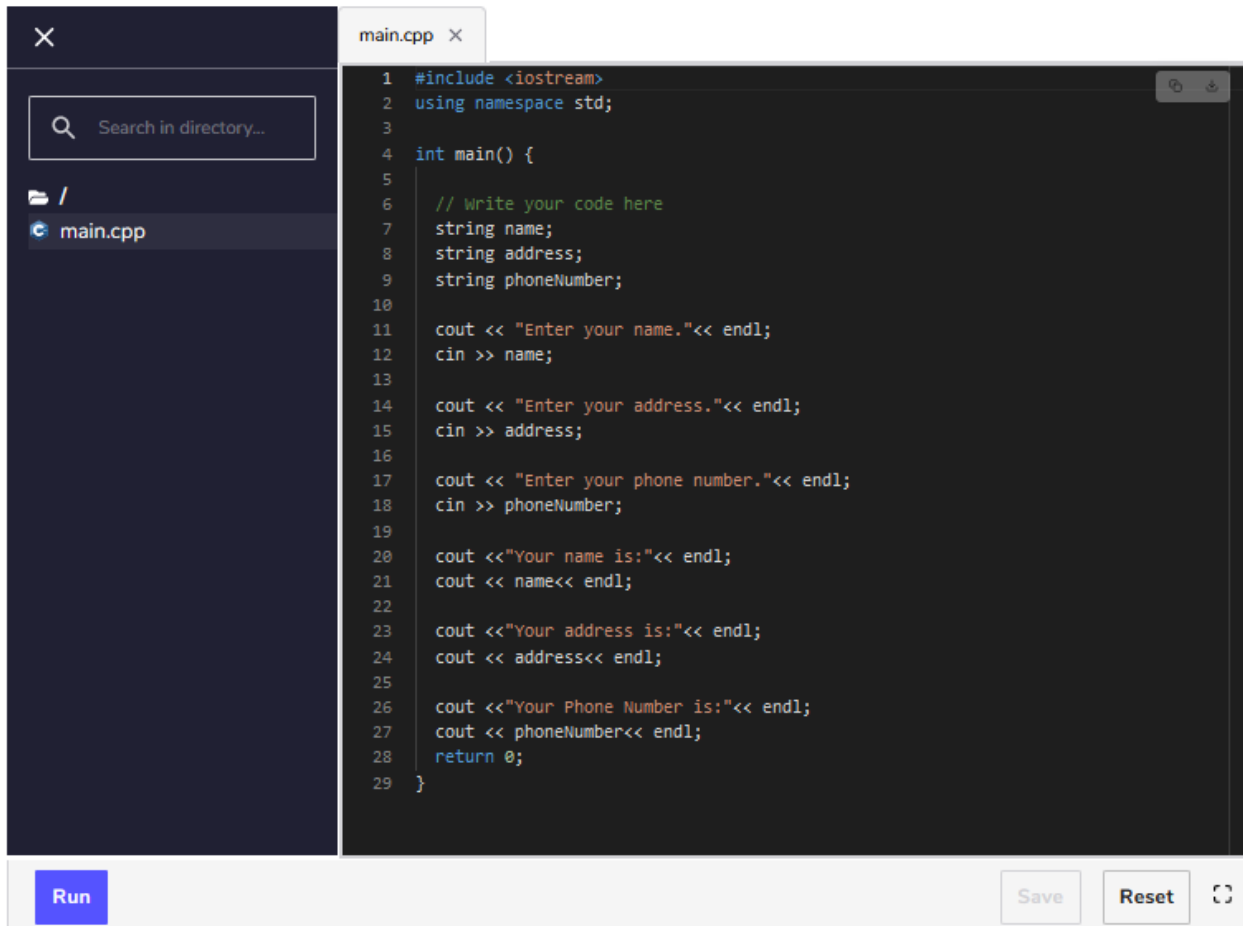
Variable & User Input Exercise 1 Output

Run Save Reset

Output 0.93s

```
Value of Integer is: 30
Value of Float is: 30.78
Value of Double is: 45.1234
Value of Char is: u
Value of Bool is: 1
```

Variable & User Input Exercise 2 Code

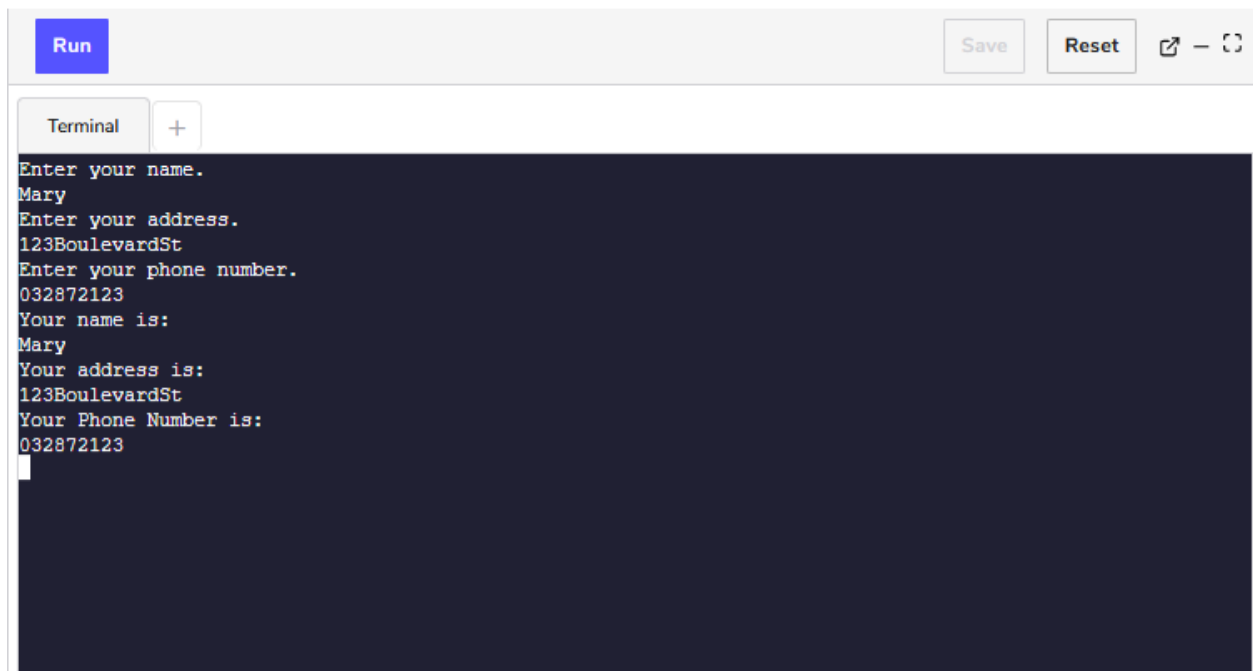


The image shows a C++ IDE with a dark theme. On the left is a file explorer with a search bar labeled "Search in directory...". Below it, a folder icon is followed by a file named "main.cpp". The main editor window has a tab labeled "main.cpp" and contains the following C++ code:

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5
6     // Write your code here
7     string name;
8     string address;
9     string phoneNumber;
10
11     cout << "Enter your name."<< endl;
12     cin >> name;
13
14     cout << "Enter your address."<< endl;
15     cin >> address;
16
17     cout << "Enter your phone number."<< endl;
18     cin >> phoneNumber;
19
20     cout << "Your name is:"<< endl;
21     cout << name<< endl;
22
23     cout << "Your address is:"<< endl;
24     cout << address<< endl;
25
26     cout << "Your Phone Number is:"<< endl;
27     cout << phoneNumber<< endl;
28     return 0;
29 }
```

At the bottom of the IDE, there are three buttons: "Run" (highlighted in blue), "Save", and "Reset".

Variable & User Input Exercise 2 Output



```
Enter your name.  
Mary  
Enter your address.  
123BoulevardSt  
Enter your phone number.  
032872123  
Your name is:  
Mary  
Your address is:  
123BoulevardSt  
Your Phone Number is:  
032872123  
█
```