

Module 4: Debugging and Logic

The screenshot displays an online C++ compiler interface. The left pane contains the source code, and the right pane shows the execution output.

Source Code:

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     float n1, n2, n3;
6
7     cout << "Enter three numbers: ";
8     cin >> n1 >> n2 >> n3;
9
10    // Nested if to find the largest number
11    if (n1 >= n2) {
12        if (n1 >= n3) {
13            cout << "Largest number: " << n1 << endl;
14        } else {
15            cout << "Largest number: " << n3 << endl;
16        }
17    } else { // n2 > n1
18        if (n2 >= n3) {
19            cout << "Largest number: " << n2 << endl;
20        } else {
21            cout << "Largest number: " << n3 << endl;
22        }
23    }
24
25    return 0;
26 }
27
```

Execution Output:

Enter three numbers: 2 5 7
Largest number: 7

Compiled and executed in 13.49 sec(s)