

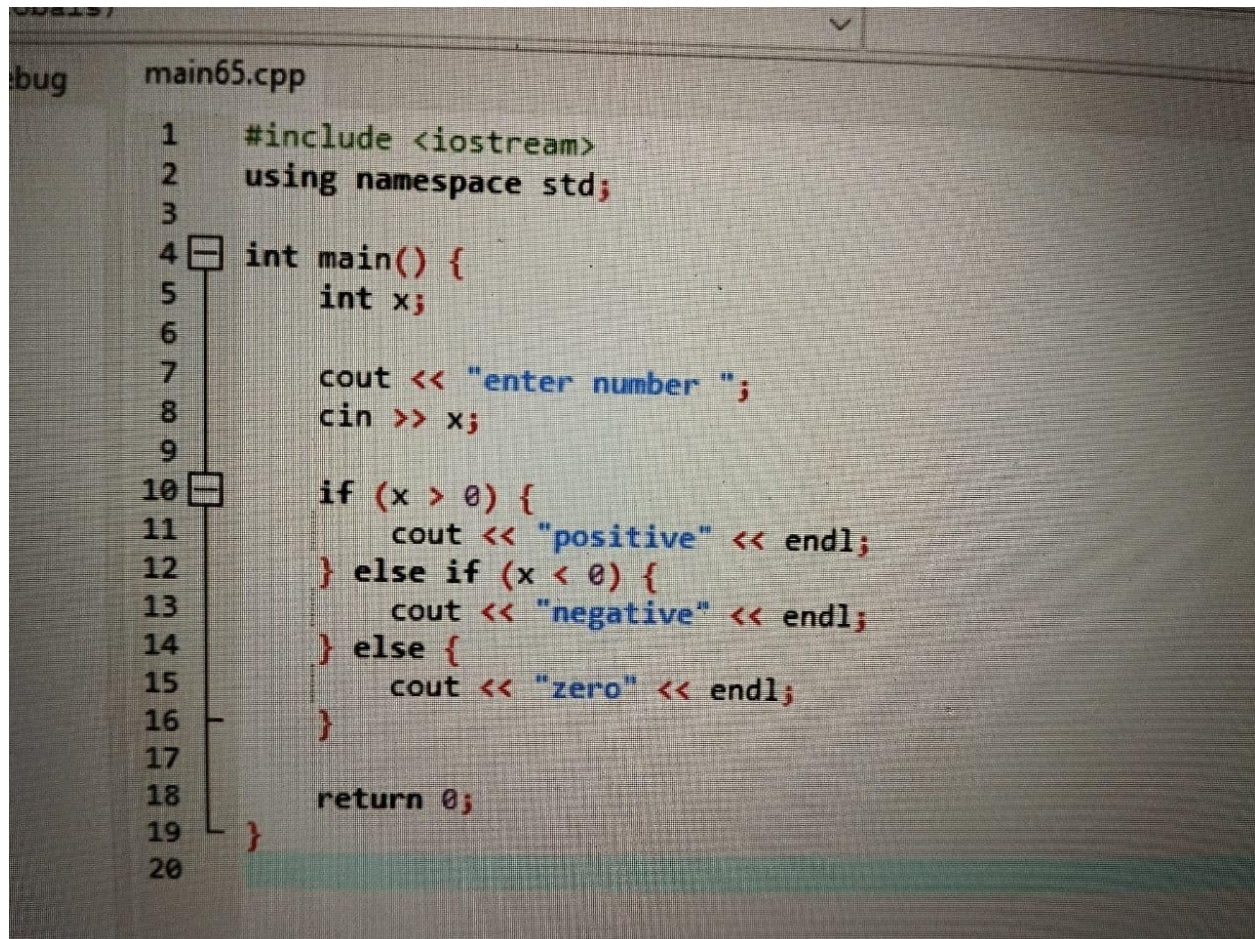
LAB MANUAL 3

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HOME TASKS



The image shows a screenshot of a code editor window titled "main65.cpp". The code is written in C++ and is designed to check if a user-entered number is positive, negative, or zero. The code is as follows:

```
1  #include <iostream>
2  using namespace std;
3
4  int main() {
5      int x;
6
7      cout << "enter number ";
8      cin >> x;
9
10     if (x > 0) {
11         cout << "positive" << endl;
12     } else if (x < 0) {
13         cout << "negative" << endl;
14     } else {
15         cout << "zero" << endl;
16     }
17
18     return 0;
19 }
20
```

The code is displayed with line numbers from 1 to 20 on the left. The code uses standard C++ syntax for including headers, using namespaces, and conditional execution. The output of the program will be "positive", "negative", or "zero" depending on the input value of `x`.

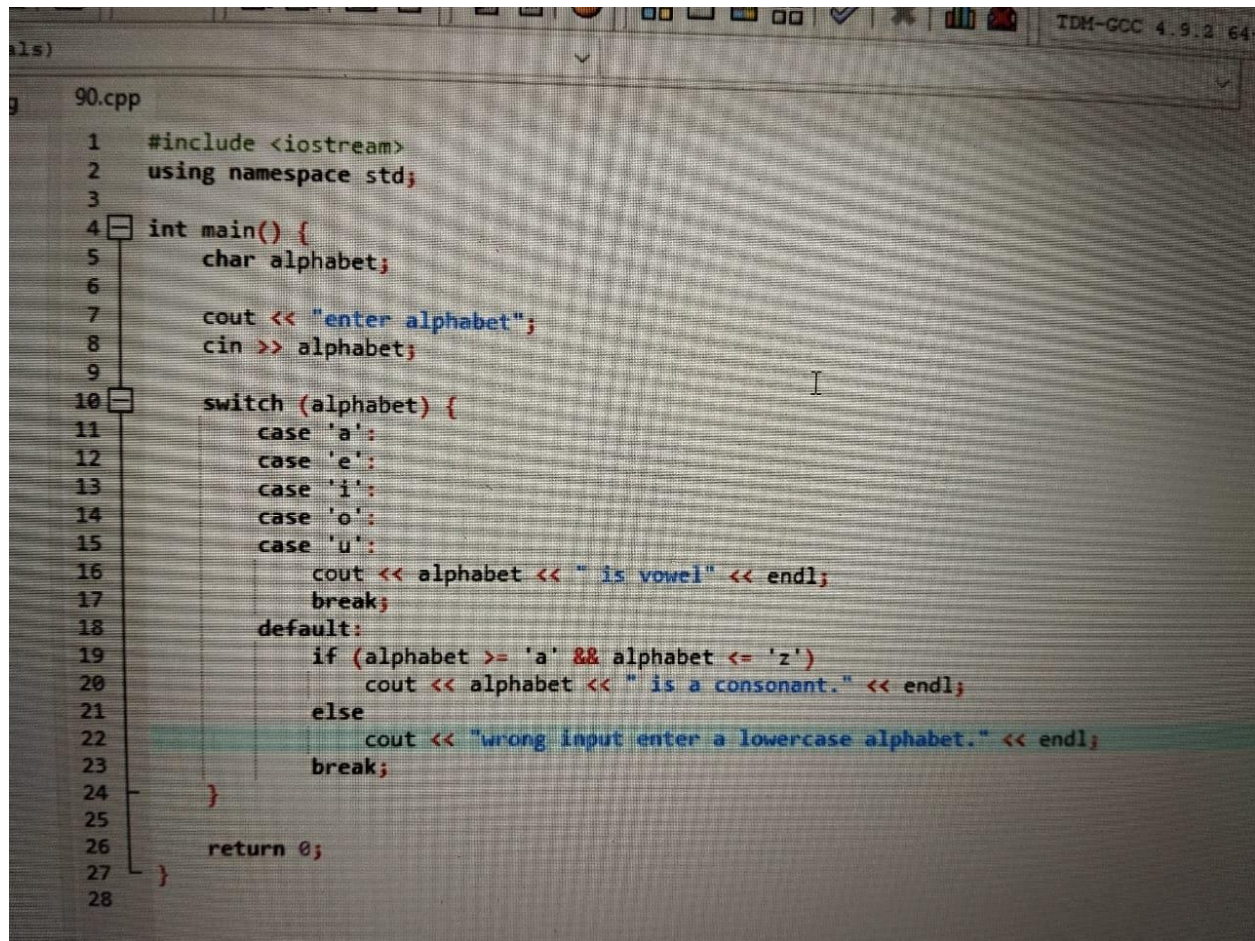
The above picture is question 3

```
1  #include <iostream>
2  using namespace std;
3
4  int main() {
5      int x, y, z;
6
7      cout << "first ";
8      cin >> x;
9      cout << "second ";
10     cin >> y;
11     cout << "third ";
12     cin >> z;
13
14     int greatest = x;
15
16     if (y > greatest)
17         greatest = y;
18     if (z > greatest)
19         greatest = z;
20
21     cout << "greatest number is |" << greatest << endl;
22
23     return 0;
24 }
25
```

The above picture is question 5


```
Debug    main.cpp
1    #include <iostream>
2
3    using namespace std;
4
5    int main() {
6        int age;
7
8        cout << "whats your age ";
9        cin >> age;
10
11    if (age >= 18) {
12        cout << "adult" << endl;
13    } else if (age >= 13) {
14        cout << "teenager" << endl;
15    } else {
16        cout << "child" << endl;
17    }
18
19    return 0;
20 }
21
```

This picture is question 4

A screenshot of a C++ code editor window. The title bar at the top shows 'TDM-GCC 4.9.2 64-bit'. The file name is '90.cpp'. The code is as follows:

```
1  #include <iostream>
2  using namespace std;
3
4  int main() {
5      char alphabet;
6
7      cout << "enter alphabet";
8      cin >> alphabet;
9
10     switch (alphabet) {
11         case 'a':
12         case 'e':
13         case 'i':
14         case 'o':
15         case 'u':
16             cout << alphabet << " is vowel" << endl;
17             break;
18         default:
19             if (alphabet >= 'a' && alphabet <= 'z')
20                 cout << alphabet << " is a consonant." << endl;
21             else
22                 cout << "wrong input enter a lowercase alphabet." << endl;
23             break;
24     }
25
26     return 0;
27 }
```

This picture is question 2

P.S: Sorry for the random format as I was unaware of how to submit these files, as I didn't submit the previous assignment due to time management.

