

Name: Muhammad Taha

Father's Name: Riaz Ahmed

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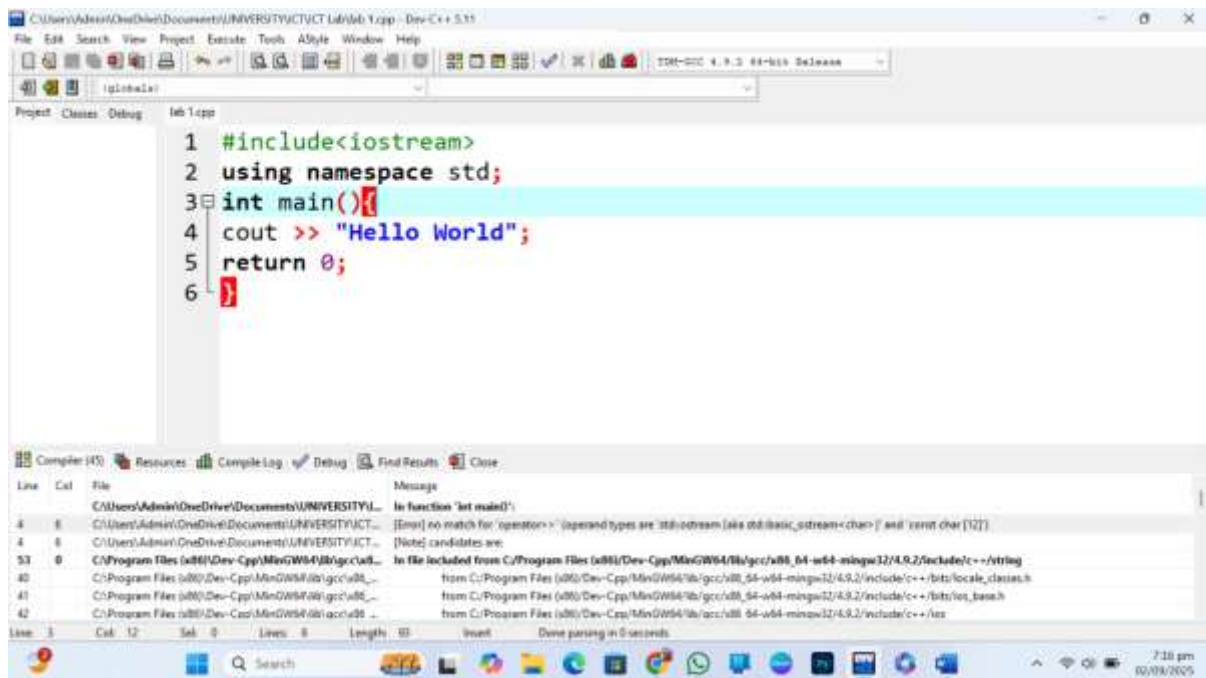
Section: D

Lab: 1

Task 01:

Modify your Program, use: `cout >> "Hello World";` this time, and check the Output.

Code:

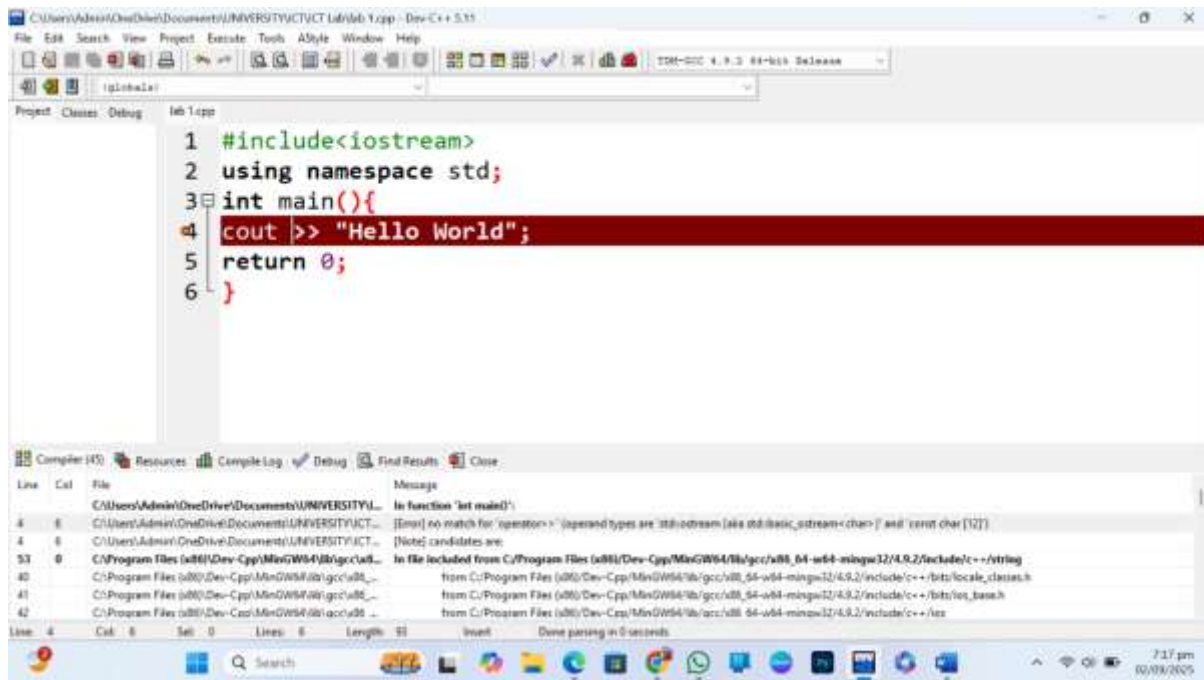


The screenshot shows a C++ IDE window titled "C:\Users\Admin\OneDrive\Documents\UNIVERSITY\CT Lab\Lab 1.cpp - Dev-C++ 5.11". The code in the editor is as follows:

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     cout >> "Hello World";
6     return 0;
7 }
```

The compiler output window at the bottom shows a message: "In function 'int main()': [Error] no match for 'operator>>' (operand types are 'std::ostream [aka std::basic_ostream<char>]' and 'const char [12]')". It also lists the candidates for the operator and the files included from the MinGW64 installation.

Output:



Task 02:

Modify your Program, use: cout “Hello World”; this time, and check the Output.

Code:

The screenshot shows the Dev-C++ IDE with a C++ program in a file named 'task2.cpp'. The code is as follows:

```
1 #include<iostream>
2 using namespace std;
3 int main(){
4     cout << "Hello World"
5     return 0;
6 }
```

The IDE's output window at the bottom shows a message: "In function 'int main()': [Error] expected ';' before string constant". The status bar at the bottom indicates "Done parsing in 0.012 seconds".

Output:

This screenshot is identical to the one above, showing the same C++ code in Dev-C++ IDE. The code is:

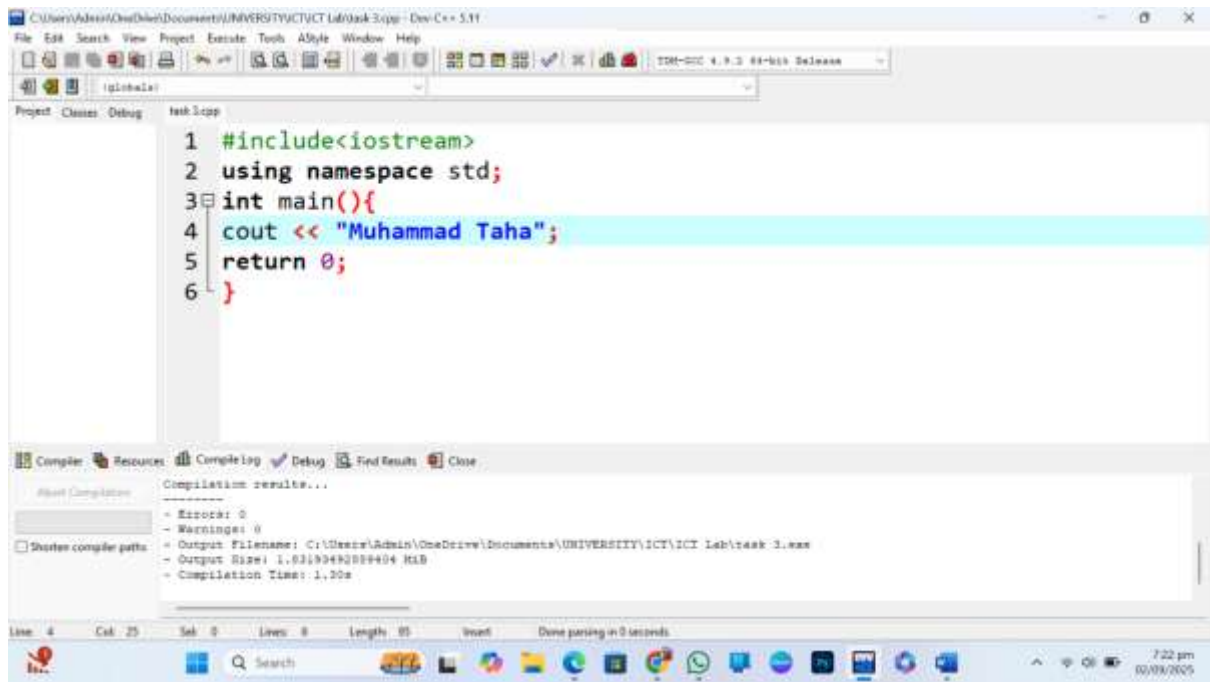
```
1 #include<iostream>
2 using namespace std;
3 int main(){
4     cout << "Hello World"
5     return 0;
6 }
```

The output window shows the same error message: "In function 'int main()': [Error] expected ';' before string constant".

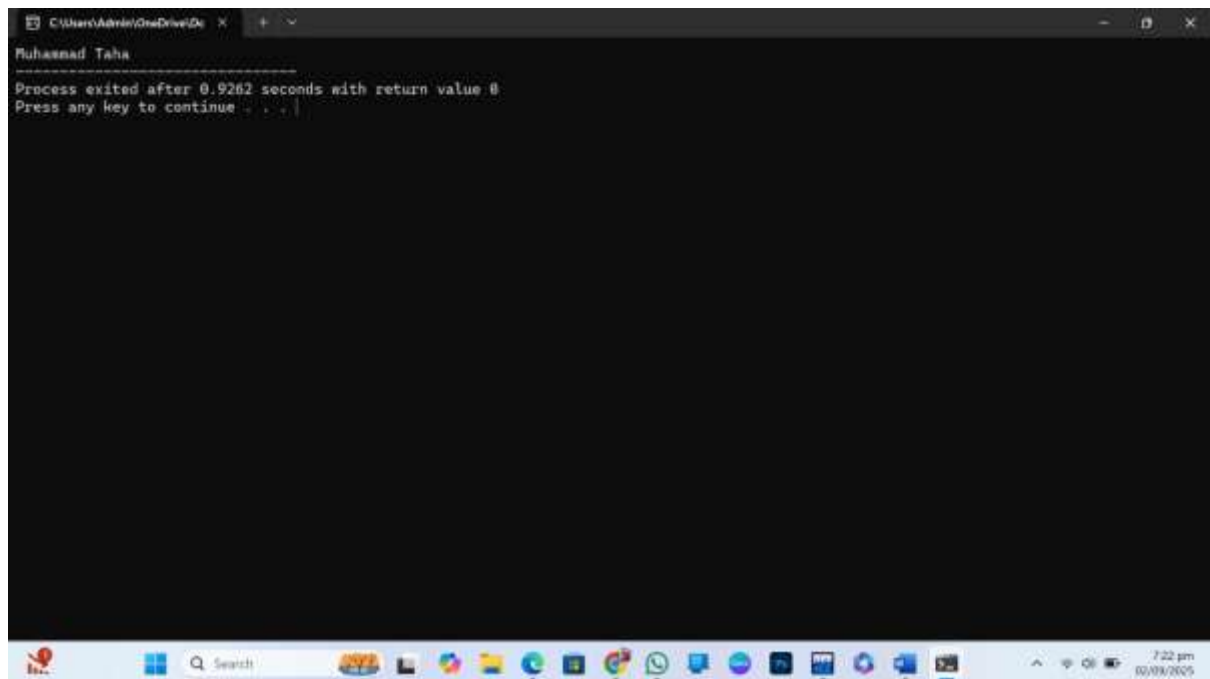
Task 03:

Modify the Program, ask it to print your name.

Code:



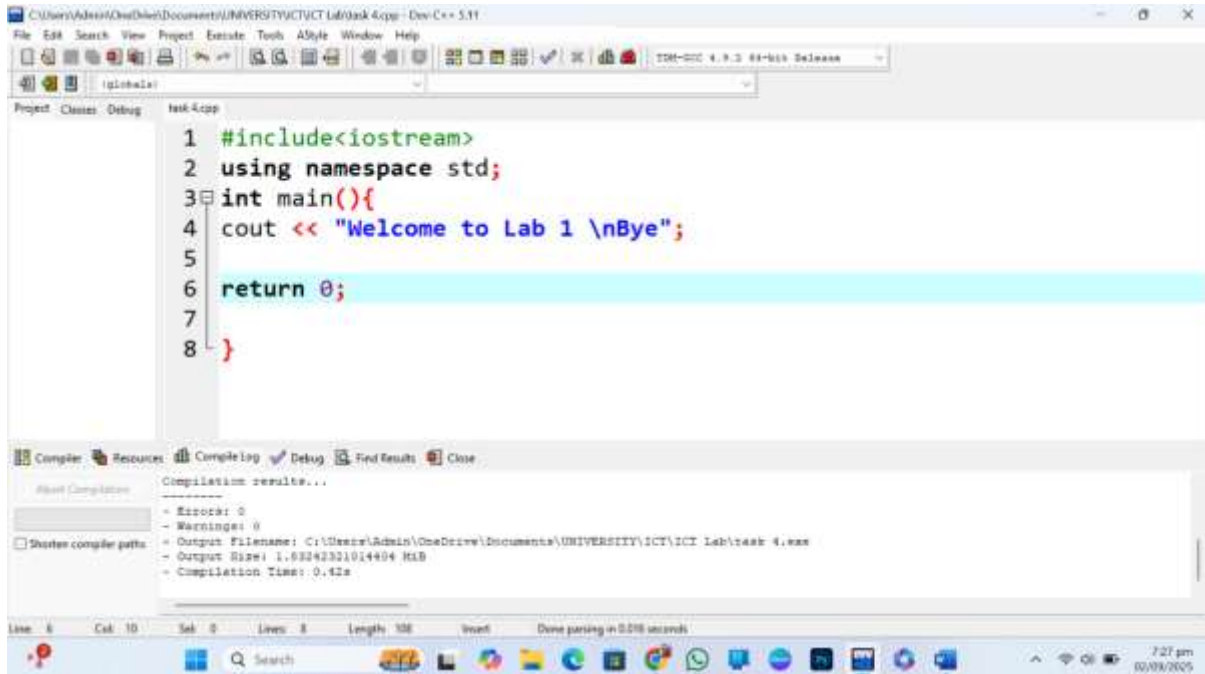
Output:



Task 04:

Print following text on screen:

Code:

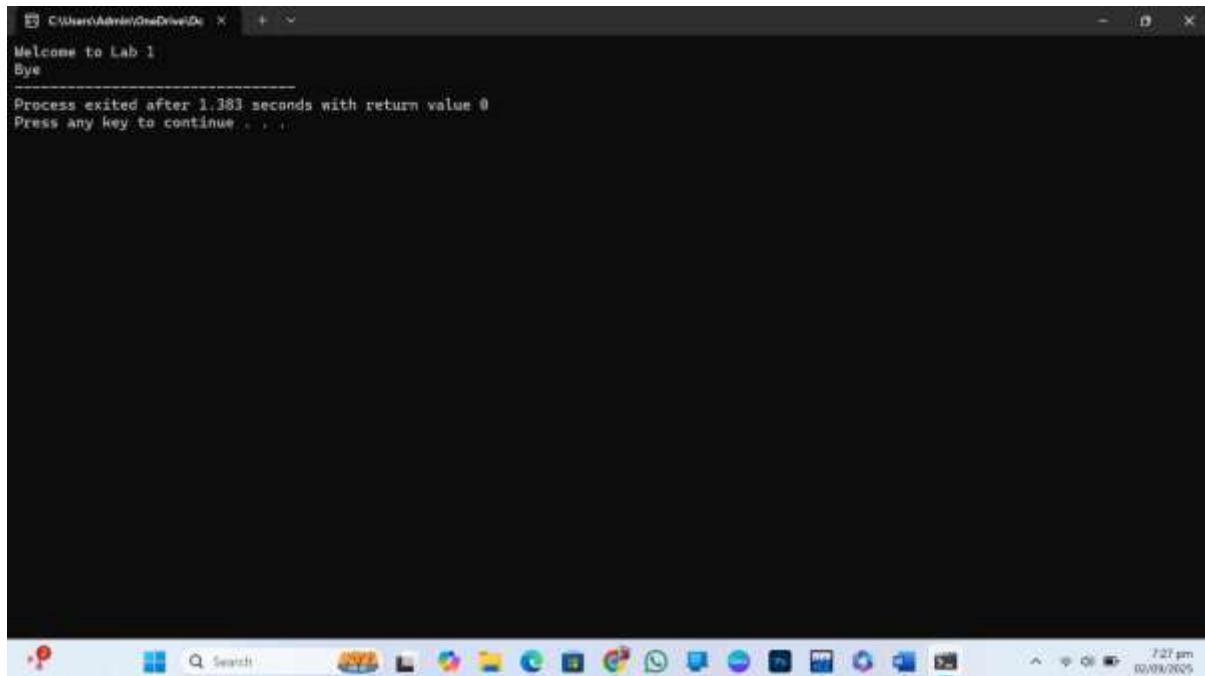


The screenshot shows a C++ code editor window titled "task4.cpp - Dev C++ 5.11". The code is as follows:

```
1 #include<iostream>
2 using namespace std;
3 int main(){
4     cout << "Welcome to Lab 1 \n Bye";
5
6     return 0;
7 }
8
```

Below the code editor, the "Compiler" tab is active, showing "Compilation results...". It reports 0 errors and 0 warnings. The output filename is "C:\Users\Admin\OneDrive\Documents\UNIVERSITY\ICT\Lab\task 4.exe", the output size is 1,932,423,210,144,04 KiB, and the compilation time is 0.42s.

Output:



The screenshot shows a terminal window with the following output:

```
Welcome to Lab 1
Bye

Process exited after 1.383 seconds with return value 0
Press any key to continue . . .
```

Task 05:

Use single Line and Multiline comments to add clarity to your code.

A. Add a Multiline comment at the top of your file, indicating your Roll No, Your Name, Lab_Number etc in following manner:

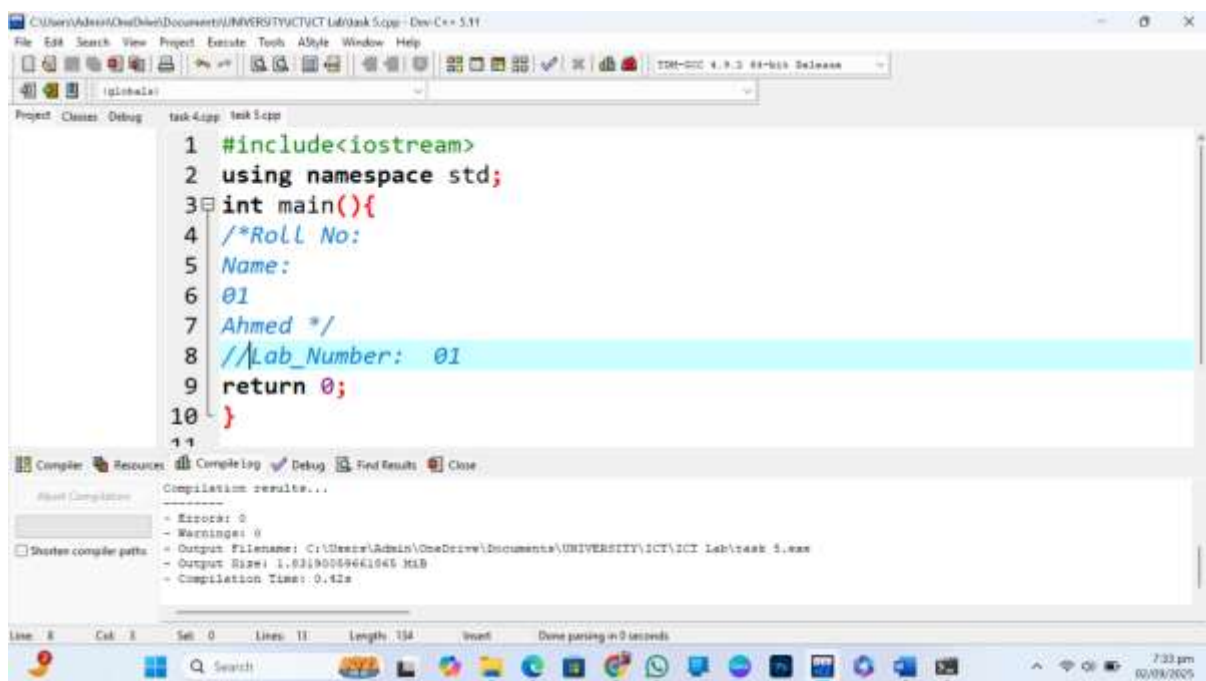
Roll No:

Name: 01 Ahmed

Lab_Number:

B. Add a Single Line Comment wherever necessary.

Code:



```
1 #include<iostream>
2 using namespace std;
3 int main(){
4     /*Roll No:
5     Name:
6     01
7     Ahmed */
8     //Lab_Number: 01
9     return 0;
10 }
```

Compiler: Resources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Admin\OneDrive\Documents\UNIVERSITY\ICT\Lab\Task 5.exe
- Output Size: 1,931,900,596,610,45 KiB
- Compilation Time: 0.42s

Line: 8 Col: 8 Sel: 0 Lines: 11 Length: 154 Insert Done parsing in 0 seconds

7:33 pm 02/09/2025

Output:

