

Name: Muhammad Taha

Father's Name: Riaz Ahmed

Sap Id: 5000001141

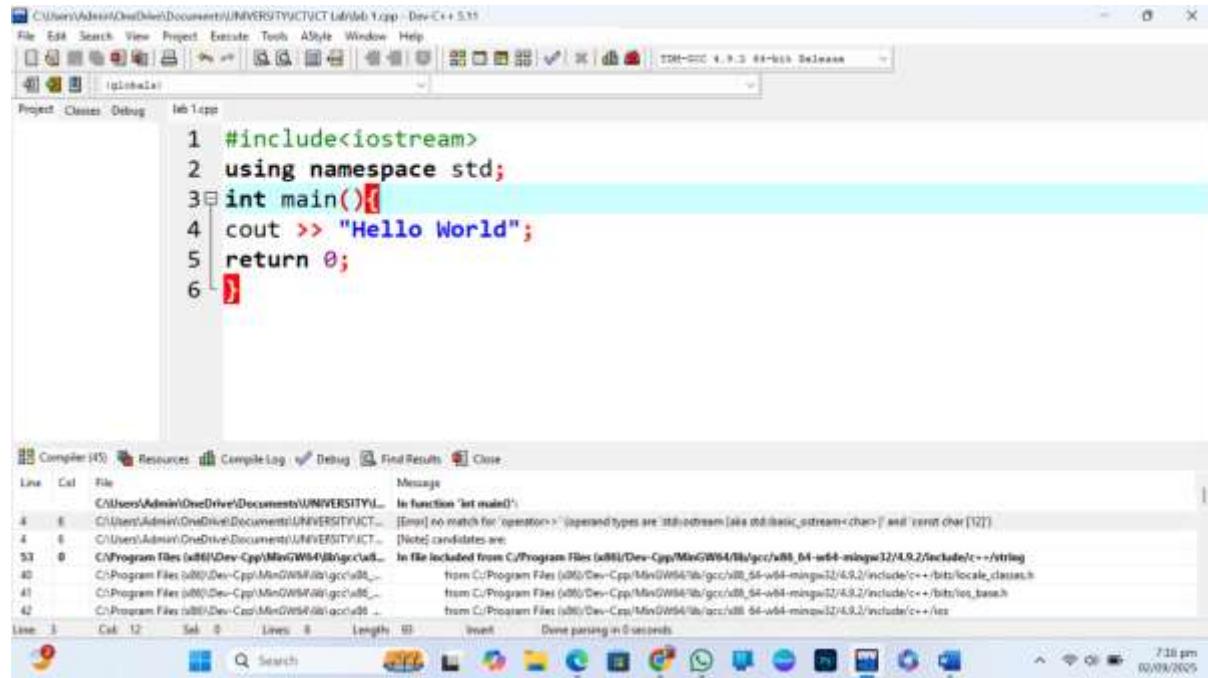
Section: D

Lab: 1

Task 01:

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

Code:



The screenshot shows the Dev-C++ IDE interface. The top window is the code editor with the following C++ code:

```
#include<iostream>
using namespace std;
int main(){
    cout >> "Hello World";
    return 0;
}
```

The bottom window is the Compiler output window, which displays the following message:

```
In function 'int main()':
[Error] no match for 'operator>>' (operand types are 'std::basic_ostream [aka std::basic_stream<char>]' and 'const char [12]')
[Note] candidates are:
In file included from C:/Program Files (x86)/Dev-Cpp/MinGW64/lib/gcc/x86_64-w64-mingw32/4.9.2/include/c++/string
from C:/Program Files (x86)/Dev-Cpp/MinGW64/lib/gcc/x86_64-w64-mingw32/4.9.2/include/c++/bits/locale_classes.h
from C:/Program Files (x86)/Dev-Cpp/MinGW64/lib/gcc/x86_64-w64-mingw32/4.9.2/include/c++/bits/ios_base.h
from C:/Program Files (x86)/Dev-Cpp/MinGW64/lib/gcc/x86_64-w64-mingw32/4.9.2/include/c++/ios
```

Output:

The screenshot shows the Dev-C++ IDE interface. The code editor window displays the following C++ code:

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

The line `cout >> "Hello World";` is highlighted in red, indicating a syntax error. Below the code editor is a message window titled "Compiler (45) Message". It shows the following error message:

In function 'int main()':
[Error] no match for 'operator >>' (operand types are 'std::basic_ostream [aka std::basic_stream<char>]' and 'const char [12]')
[Note] candidates are:
In file included from C:/Program Files (x86)/Dev-Cpp/MinGW64/lib/gcc/x86_64-w64-mingw32/4.9.2/include/c++/string
from C:/Program Files (x86)/Dev-Cpp/MinGW64/lib/gcc/x86_64-w64-mingw32/4.9.2/include/c++/bits/locale_classes.h:
from C:/Program Files (x86)/Dev-Cpp/MinGW64/lib/gcc/x86_64-w64-mingw32/4.9.2/include/c++/bits/locale.h:
from C:/Program Files (x86)/Dev-Cpp/MinGW64/lib/gcc/x86_64-w64-mingw32/4.9.2/include/c++/bits/ios_base.h:
from C:/Program Files (x86)/Dev-Cpp/MinGW64/lib/gcc/x86_64-w64-mingw32/4.9.2/include/c++/ios

Task 02:

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

Code:

The screenshot shows the Dev-C++ IDE interface. The code editor window displays the following C++ code:

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

The line `cout "Hello World"` is highlighted in red, indicating a syntax error. The status bar at the bottom of the IDE shows the message `Done parsing in 0.012 seconds`. Below the IDE, the Windows taskbar is visible, showing various pinned icons and the system clock.

Output:

The screenshot shows the Dev-C++ IDE interface. The code editor window displays the same C++ code as the previous screenshot:

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

The line `cout "Hello World"` is highlighted in red, indicating a syntax error. The status bar at the bottom of the IDE shows the message `Done parsing in 0.012 seconds`. Below the IDE, the Windows taskbar is visible, showing various pinned icons and the system clock.

Task 03:

Modify the Program, ask it to print your name.

Code:

The screenshot shows the Dev-C++ IDE interface. The code editor window contains the following C++ code:

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

The status bar at the bottom of the IDE indicates the file path: C:\Users\Admin\OneDrive\Documents\UNIVERSITY\ICT\Lab\Task 3.cpp - Dev-C++ 5.11.

A separate window titled "Compiler Results" displays the compilation results:

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Admin\OneDrive\Documents\UNIVERSITY\ICT\Lab\task 3.exe
- Output Size: 1.03 KB
- Compilation Time: 1.20s

The taskbar at the bottom of the screen shows various application icons, including File Explorer, Edge, and Google Chrome.

Output:

The screenshot shows a terminal window titled "C:\Users\Admin\OneDrive\De...". The output of the program is displayed:

```
Muhammad Taha
Process exited after 0.9262 seconds with return value 0
Press any key to continue . . .
```

The taskbar at the bottom of the screen shows various application icons, including File Explorer, Edge, and Google Chrome.

Task 04:

Print following text on screen:

Code:

The screenshot shows the Dev-C++ IDE interface. The code editor window displays the following C++ code:

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

Below the code editor is the Compiler Results window, which shows the compilation results:

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Admin\OneDrive\Documents\UNIVERSITY\ICT\Lab\task 4.exe
- Output Size: 1.93342321014494 kB
- Compilation Time: 0.02s

The taskbar at the bottom of the screen shows various application icons.

Output:

The screenshot shows a terminal window displaying the program's output. The output is:

```
Welcome to Lab 1
Bye
Process exited after 1.383 seconds with return value 0
Press any key to continue . . .
```

The taskbar at the bottom of the screen shows various application icons.

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:

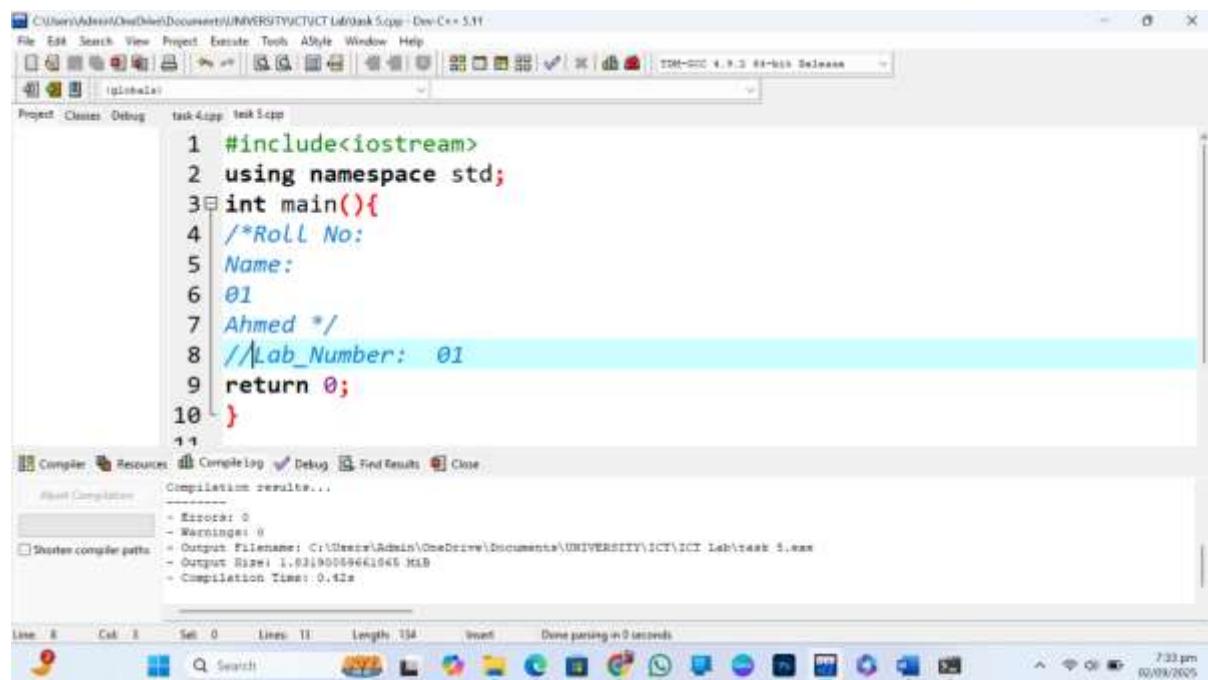
Roll No:

Name: 01 Ahmed

Lab_Number:

B. Add a Single Line Comment wherever necessary.

Code:



The screenshot shows the Dev-C++ IDE interface. The code editor window displays the following C++ 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 }
```

The code uses both multi-line and single-line comments to identify the author's details. The compiler output window below shows the results of the compilation:

```
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Admin\OneDrive\Documents\UNIVERSITY\ICT\Lab\task 5.exe
- Output Size: 1.03190054661945 MB
- Compilation Time: 0.42s
```

The status bar at the bottom indicates the current time as 7:33 pm on 03/08/2025.

Output:

A screenshot of a Windows desktop environment. In the center, there is a terminal window titled "C:\Users\Admin\OneDrive\De..." with the path "Dev-C++ 5.21" visible in the title bar. The window contains the following text:

```
Process exited after 1.829 seconds with return value 0
Press any key to continue . . .
```

The desktop background is white. At the bottom, the taskbar is visible with various pinned icons, including a search bar, file explorer, and several application icons. The system tray shows the date and time as "03/03/2025 7:33 pm".