

Lab#07
Object oriented programming
29/11/2022

Task#01

Write a C++ program that compares 2 input strings from 2 different objects using operator overloading.

- a. Check if two strings are the same or not.
- b. If strings are not the same then find the length of each and tell which one is greater (overload `>=`).
- c. Use a constructor for variable initialization.



```
Microsoft Visual Studio Debug Console
Enter first String :: hello
Enter second String :: world

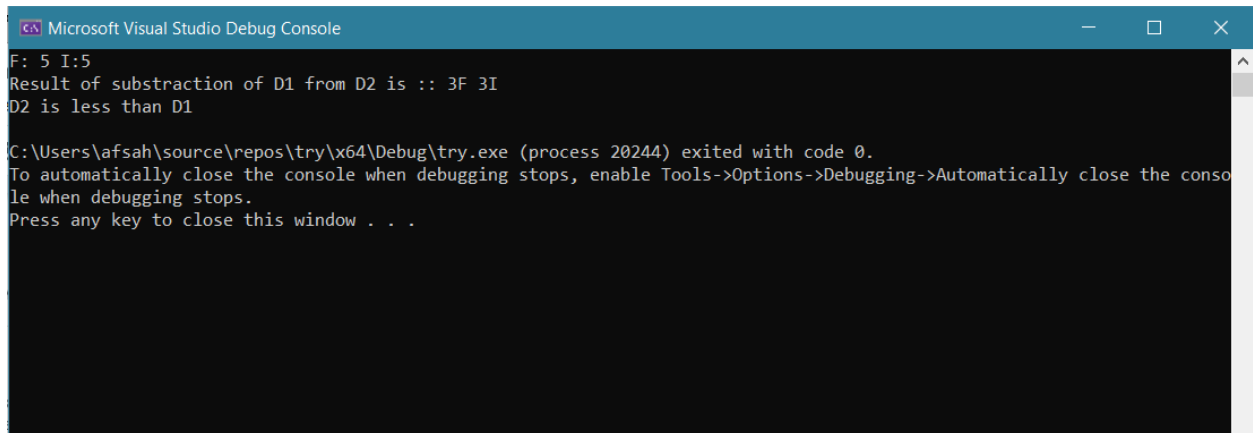
Strings are Not Equal
hello is greater then world
C:\Users\afsah\source\repos\try\x64\Debug\try.exe (process 17676) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

Lab#07
Object oriented programming
29/11/2022

Task#02

Write a C++ program that takes distance in feet and inches from two objects:

- a. Subtraction distances using operator overloading.
- b. Find which distance has more displacement(keep in mind the difference of both feet and inches).



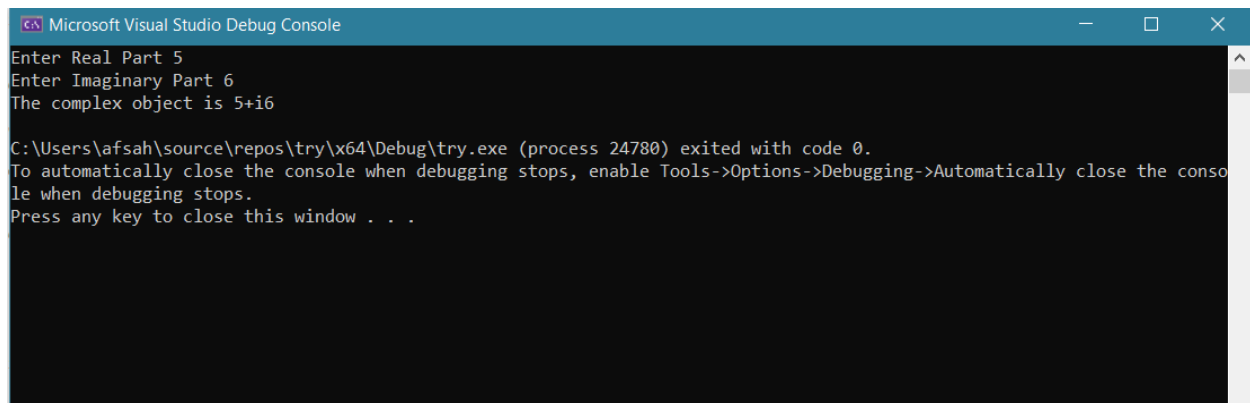
```
Microsoft Visual Studio Debug Console
F: 5 I:5
Result of subtraction of D1 from D2 is :: 3F 3I
D2 is less than D1

C:\Users\afsah\source\repos\try\x64\Debug\try.exe (process 20244) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

Lab#07
Object oriented programming
29/11/2022

Task#03

Write a C++ program that inputs and displays complex number using stream operator overloading.



```
Microsoft Visual Studio Debug Console
Enter Real Part 5
Enter Imaginary Part 6
The complex object is 5+i6

C:\Users\afsah\source\repos\try\x64\Debug\try.exe (process 24780) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```