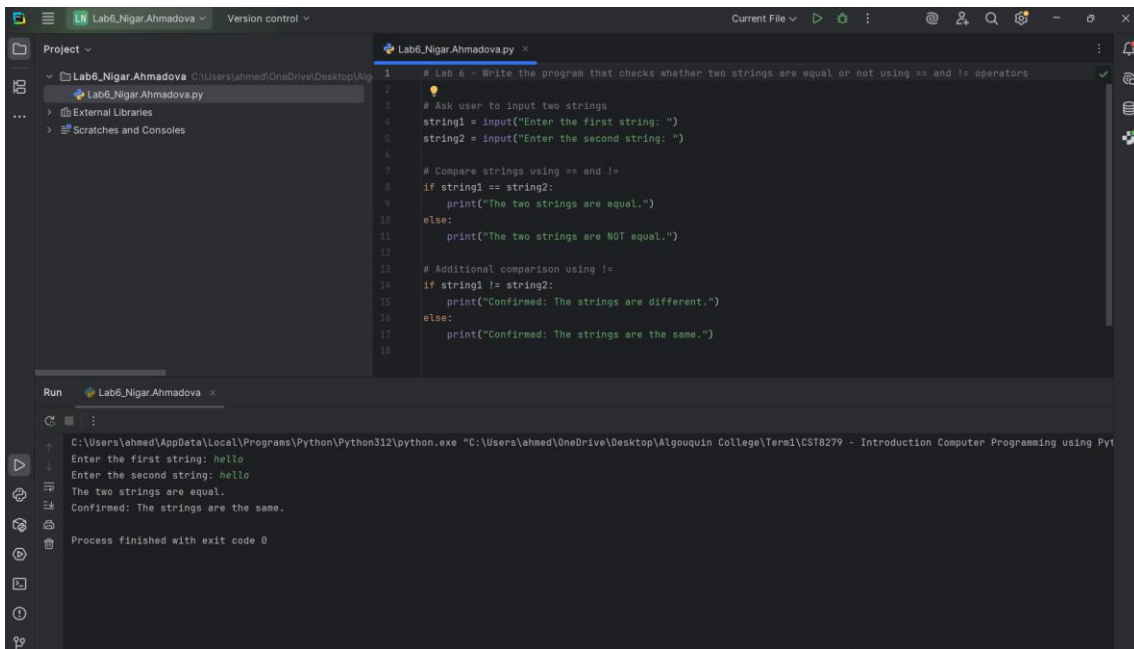


String Comparison and Conditional Logic

Description

A fundamental Python program comparing two strings and returning whether they are equal or not. This lab reinforces understanding of conditional statements, equality checks, and user input handling—essential skills for any Python developer.

1. Strings Are Equal

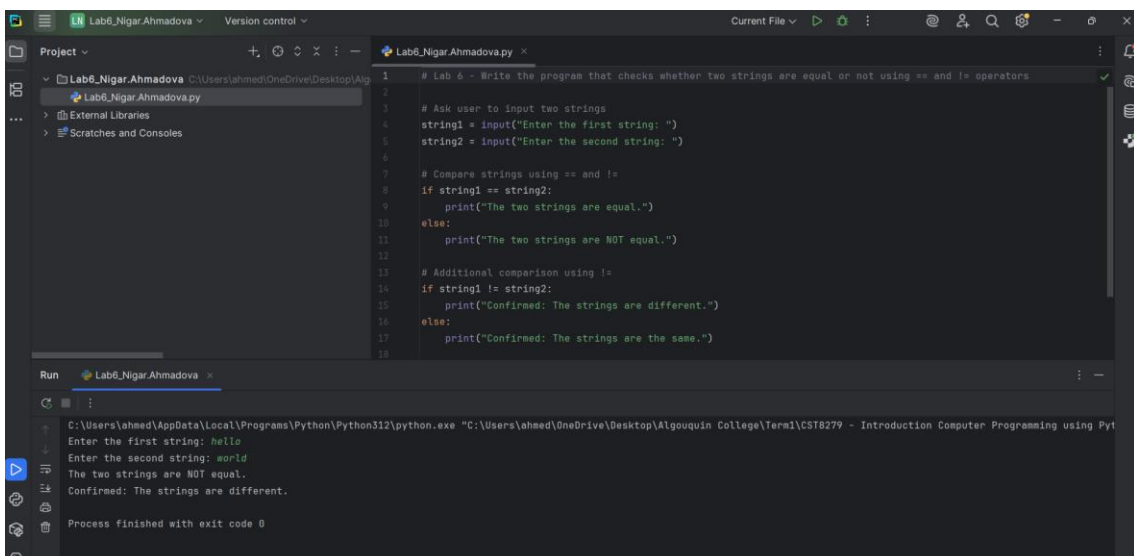


```
1 # Lab 6 - Write the program that checks whether two strings are equal or not using == and != operators
2
3 # Ask user to input two strings
4 string1 = input("Enter the first string: ")
5 string2 = input("Enter the second string: ")
6
7 # Compare strings using == and !=
8 if string1 == string2:
9     print("The two strings are equal.")
10 else:
11     print("The two strings are NOT equal.")
12
13 # Additional comparison using !=
14 if string1 != string2:
15     print("Confirmed: The strings are different.")
16 else:
17     print("Confirmed: The strings are the same.")
18
```

Run Lab6_Nigar.Ahmadova

```
C:\Users\ahmed\AppData\Local\Programs\Python\Python312\python.exe "C:\Users\ahmed\OneDrive\Desktop\Algouquin College\Term1\CST8279 - Introduction Computer Programming using Pyt
Enter the first string: hello
Enter the second string: hello
The two strings are equal.
Confirmed: The strings are the same.
Process finished with exit code 0
```

2: Strings Are Not Equal



```
1 # Lab 6 - Write the program that checks whether two strings are equal or not using == and != operators
2
3 # Ask user to input two strings
4 string1 = input("Enter the first string: ")
5 string2 = input("Enter the second string: ")
6
7 # Compare strings using == and !=
8 if string1 == string2:
9     print("The two strings are equal.")
10 else:
11     print("The two strings are NOT equal.")
12
13 # Additional comparison using !=
14 if string1 != string2:
15     print("Confirmed: The strings are different.")
16 else:
17     print("Confirmed: The strings are the same.")
18
```

Run Lab6_Nigar.Ahmadova

```
C:\Users\ahmed\AppData\Local\Programs\Python\Python312\python.exe "C:\Users\ahmed\OneDrive\Desktop\Algouquin College\Term1\CST8279 - Introduction Computer Programming using Pyt
Enter the first string: hello
Enter the second string: world
The two strings are NOT equal.
Confirmed: The strings are different.
Process finished with exit code 0
```