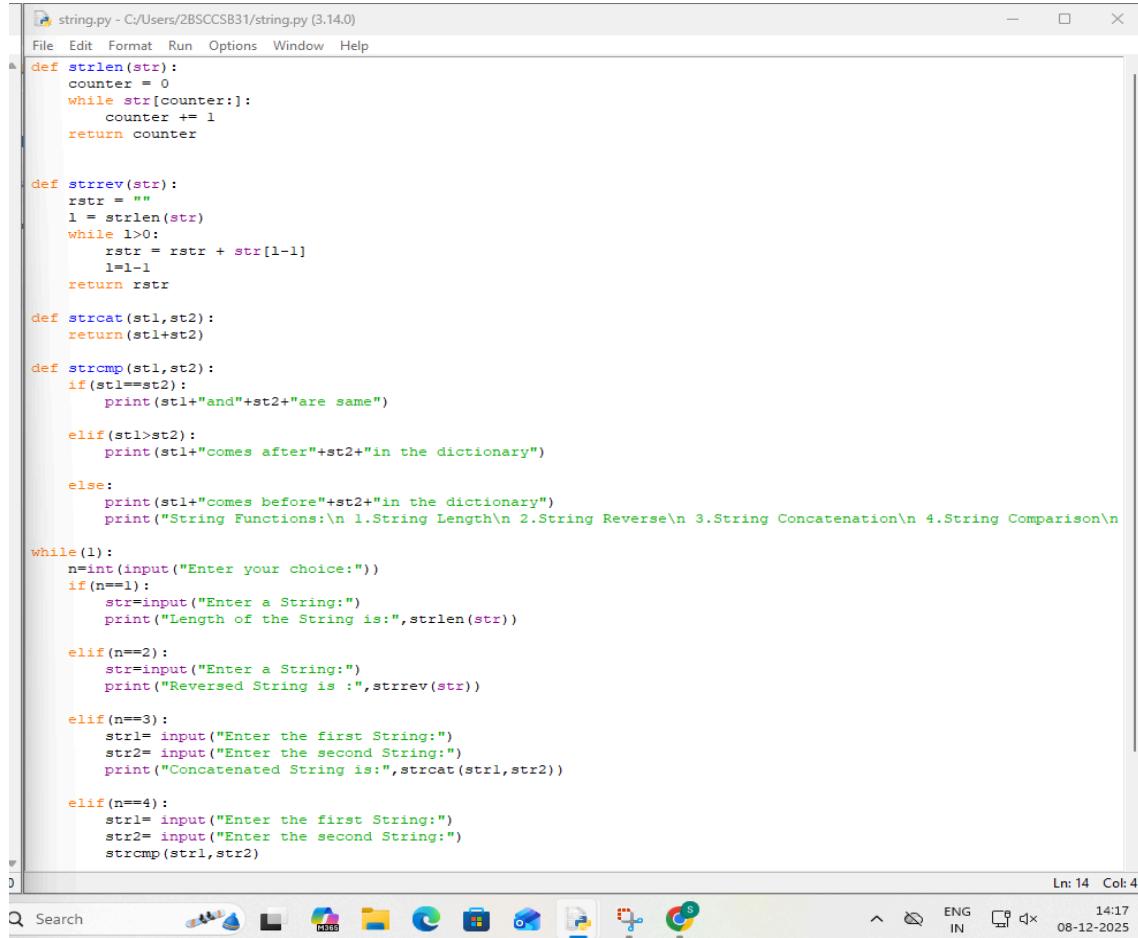


Ex No:2

STRING OPERATIONS PROGRAM

CODING:



The screenshot shows a Windows Notepad window titled "string.py - C:/Users/2BSCCSB31/string.py (3.14.0)". The code implements several string functions:

```
string.py - C:/Users/2BSCCSB31/string.py (3.14.0)
File Edit Format Run Options Window Help
def strlen(str):
    counter = 0
    while str[counter:]:
        counter += 1
    return counter

def strrev(str):
    rstr = ""
    l = strlen(str)
    while l>0:
        rstr = rstr + str[l-1]
        l=l-1
    return rstr

def strcat(st1,st2):
    return(st1+st2)

def strcmp(st1,st2):
    if(st1==st2):
        print(st1+"and"+st2+"are same")

    elif(st1>st2):
        print(st1+"comes after"+st2+"in the dictionary")

    else:
        print(st1+"comes before"+st2+"in the dictionary")
        print("String Functions:\n 1.String Length\n 2.String Reverse\n 3.String Concatenation\n 4.String Comparison\n")

while(1):
    n=int(input("Enter your choice:"))
    if(n==1):
        str=input("Enter a String:")
        print("Length of the String is:",strlen(str))

    elif(n==2):
        str=input("Enter a String:")
        print("Reversed String is :",strrev(str))

    elif(n==3):
        st1= input("Enter the first String:")
        st2= input("Enter the second String:")
        print("Concatenated String is:",	strcat(st1,st2))

    elif(n==4):
        st1= input("Enter the first String:")
        st2= input("Enter the second String:")
        strcmp(st1,st2)

Ln: 14 Col: 4
```

```
def strlen(str):
    counter = 0
    while str[counter:]:
        counter += 1
    return counter
```

```
def strrev(str):
    rstr = ""
    l = strlen(str)
    while l>0:
        rstr = rstr + str[l-1]
        l=l-1
    return rstr
```

```
def strcat(st1,st2):
    return(st1+st2)

def strcmp(st1,st2):
    if(st1==st2):
        print(st1+"and"+st2+"are same")

    elif(st1>st2):
        print(st1+"comes after"+st2+"in the dictionary")

    else:
        print(st1+"comes before"+st2+"in the dictionary")
        print("String Functions:\n 1.String Length\n 2.String Reverse\n 3.String Concatenation\n 4.String Comparison\n 5.Exit\n")

while(1):
    n=int(input("Enter your choice:"))
    if(n==1):
        str=input("Enter a String:")
        print("Length of the String is:",strlen(str))

    elif(n==2):
        str=input("Enter a String:")
        print("Reversed String is :",strrev(str))

    elif(n==3):
        str1= input("Enter the first String:")
        str2= input("Enter the second String:")
        print("Concatenated String is:",strcat(str1,str2))

    elif(n==4):
        str1= input("Enter the first String:")
        str2= input("Enter the second String:")
        strcmp(str1,str2)

    elif(n==5):
        print("Exited")
        break

    else:
        print("Invalid Choice")
```

OUTPUT:



The screenshot shows the IDLE Shell 3.14.0 interface. The title bar reads "IDLE Shell 3.14.0". The menu bar includes File, Edit, Shell, Debug, Options, Window, and Help. The main window displays the following Python script output:

```
Python 3.14.0 (tags/v3.14.0:ebf955d, Oct 7 2025, 10:15:03) [MSC v.1944 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more
information.

>>> ===== RESTART: C:/Users/2BSCCSB31
/string.py =====
Enter your choice:1
Enter a String:SARA
Length of the String is: 1
Enter your choice:2
Enter a String:ASRA
Reversed String is : A
Enter your choice:3
Enter the first String:IQRA
Enter the second String:MARYAM
Concatenated String is: IQRAMARYAM
Enter your choice:4
Enter the first String:NEELUFAR
Enter the second String:MARYAM
NEELUFAR comes after MARYAM in the dictionary
Enter your choice:5
Exited

>>> ===== RESTART: C:/Users/2BSCCSB31/string.py =====
Enter your choice:1
Enter a String:SARA
Length of the String is: 4
Enter your choice:2
Enter a String:ASRA
Reversed String is : ARSA
Enter your choice:3
Enter the first String:IQRA
Enter the second String:MARYAM
Concatenated String is: IQRAMARYAM
Enter your choice:4
Enter the first String:NEELUFAR
Enter the second String:MARYAM
NEELUFAR comes after MARYAM in the dictionary
Enter your choice:5
Exited
>>> |
```

The status bar at the bottom shows "Ln: 39 Col: 0". The taskbar at the bottom right includes icons for weather (30°C, Sunny), Start, Task View, and Search.