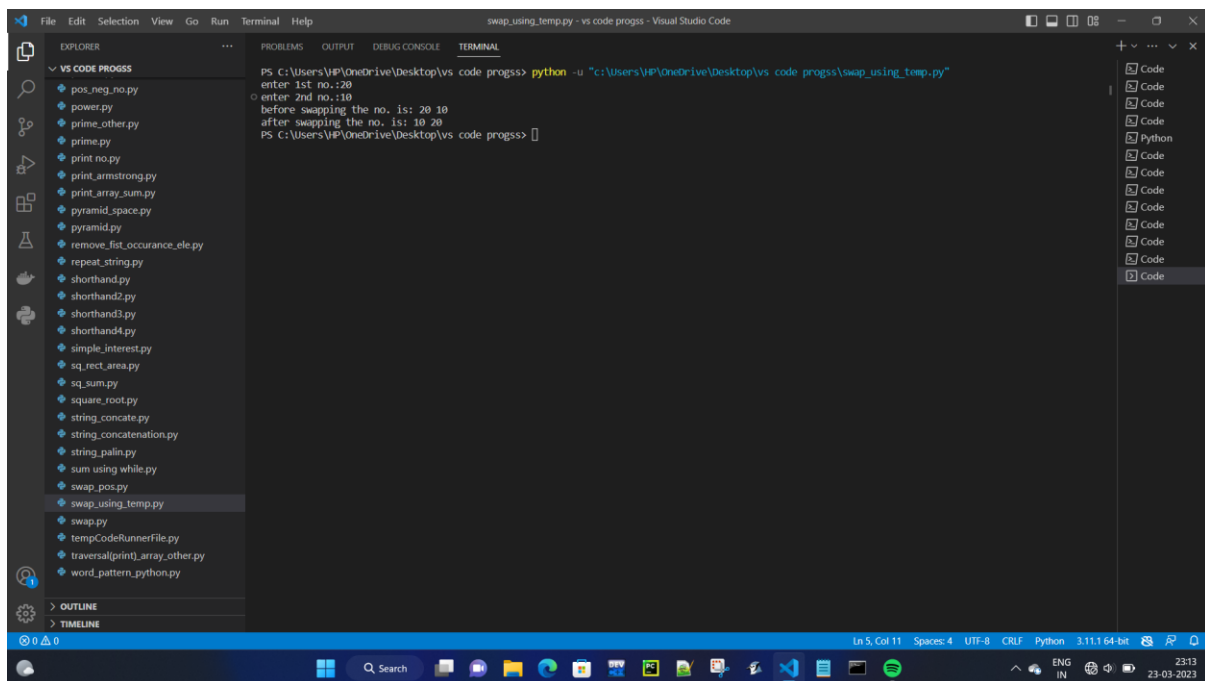


Q.16>>swapping using temporary variable in python.

```
#swap using temp variable
def swap(a,b):
    temp=a
    a=b
    b=temp
    print("after swapping the no. is:",a,b)
#main func
a=int(input("enter 1st no.:"))
b=int(input("enter 2nd no.:"))
print("before swapping the no. is:",a,b)
swap(a,b)
```



The screenshot displays the Visual Studio Code interface. On the left, the Explorer panel shows a file named 'swap_using_temp.py' selected. The main editor area shows the Python code for swapping two numbers using a temporary variable. The code is as follows:

```
#swap using temp variable
def swap(a,b):
    temp=a
    a=b
    b=temp
    print("after swapping the no. is:",a,b)
#main func
a=int(input("enter 1st no.:"))
b=int(input("enter 2nd no.:"))
print("before swapping the no. is:",a,b)
swap(a,b)
```

The terminal output shows the execution of the script. The user enters '20' for the first number and '10' for the second number. The output is:

```
PS C:\Users\VP\OneDrive\Desktop\vs code progg> python -u "C:\Users\VP\OneDrive\Desktop\vs code progg\swap_using_temp.py"
enter 1st no.:20
enter 2nd no.:10
before swapping the no. is: 20 10
after swapping the no. is: 10 20
PS C:\Users\VP\OneDrive\Desktop\vs code progg>
```

The status bar at the bottom indicates the file is 'Ln 5, Col 11', 'Spaces: 4', 'UTF-8', 'CRLF', 'Python', '3.11.1 64-bit', and the time is '23:13' on '23-03-2023'.