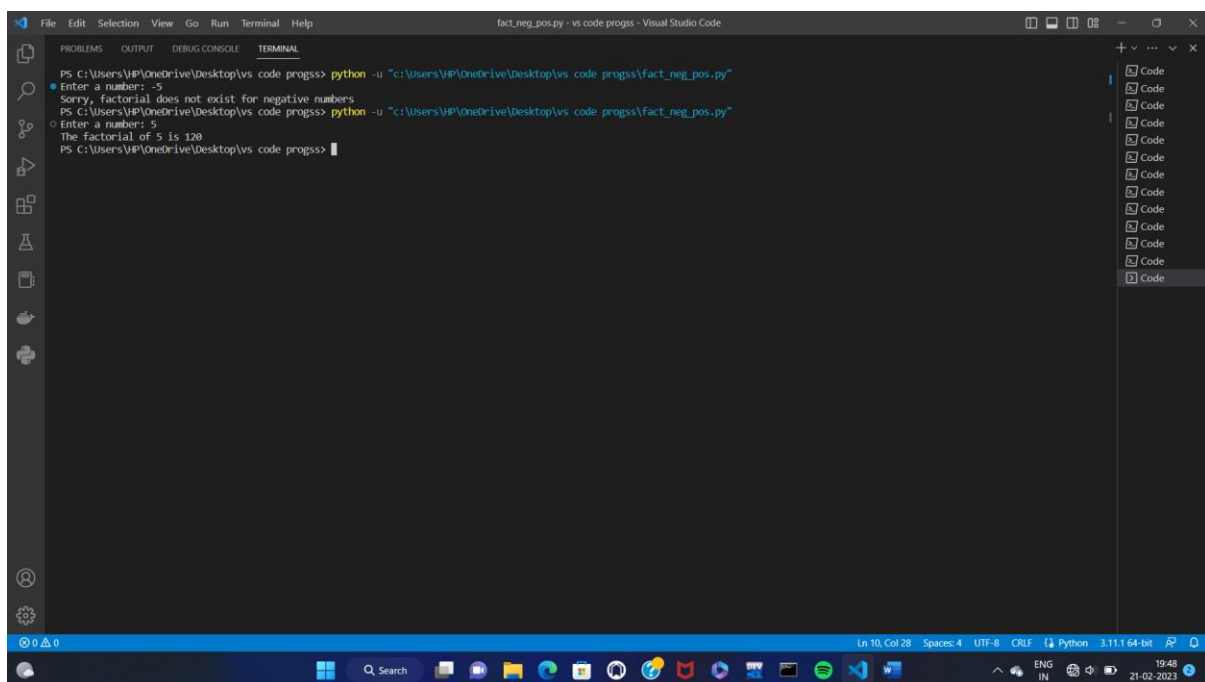


```
# Python program to find the factorial of a
number provided by the user.
num = int(input("Enter a number: "))
factorial = 1
# check if the number is negative, positive or zero
if num < 0:
    print("Sorry, factorial does not exist for negative
numbers")
elif num == 0:
    print("The factorial of 0 is 1")
else:
    for i in range(1,num + 1):
        factorial = factorial*i
    print("The factorial of",num,"is",factorial)
```



The screenshot shows a Visual Studio Code window with a terminal open. The terminal output shows the execution of a Python program that calculates factorials. The user enters -5, and the program outputs "Sorry, factorial does not exist for negative numbers". The user then enters 5, and the program outputs "The factorial of 5 is 120". The terminal window is titled "fact_neg_pos.py - vs code progss - Visual Studio Code". The status bar at the bottom indicates "Ln 10, Col 28", "Spaces: 4", "UTF-8", "CRLF", "Python", "3.11.1 64-bit", and the date "21-02-2023".

```
fact_neg_pos.py - vs code progss - Visual Studio Code
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Ps C:\Users\HP\OneDrive\Desktop\vs code progss> python -u "C:\Users\HP\OneDrive\Desktop\vs code progss\fact_neg_pos.py"
Enter a number: -5
Sorry, factorial does not exist for negative numbers
Ps C:\Users\HP\OneDrive\Desktop\vs code progss> python -u "C:\Users\HP\OneDrive\Desktop\vs code progss\fact_neg_pos.py"
Enter a number: 5
The factorial of 5 is 120
Ps C:\Users\HP\OneDrive\Desktop\vs code progss>
Ln 10, Col 28 Spaces: 4 UTF-8 CRLF Python 3.11.1 64-bit
21-02-2023
```