DAY-3

Task 1: Write a function in Python that calculates and returns the factorial of a number provided as an argument.

SOLUTION:

```python
def factorial(n):
    if n==0:
        return 1
    else:
        return n * factorial(n-1)
number=8
print("Factorial of", number, "is", factorial(number))
```

OUTPUT:

```python
''' Write a function in Python that calculates and returns the factorial
of a number provided as an argument.'''
def factorial(n):
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        return 1
    else:
        return n * factorial(n-1)
number=8
print("Factorial of", number, "is", factorial(number))
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS   GITLENS

PS C:\Users\Administrator\Desktop\todays stuff> & C:/Users/Administrator/AppData/Local/Progra
ms/Python/Python312/python.exe "c:/Users/Administrator/Desktop/todays stuff/Day3_Task1.py"
Factorial of 8 is 40320
PS C:\Users\Administrator\Desktop\todays stuff>