



Python

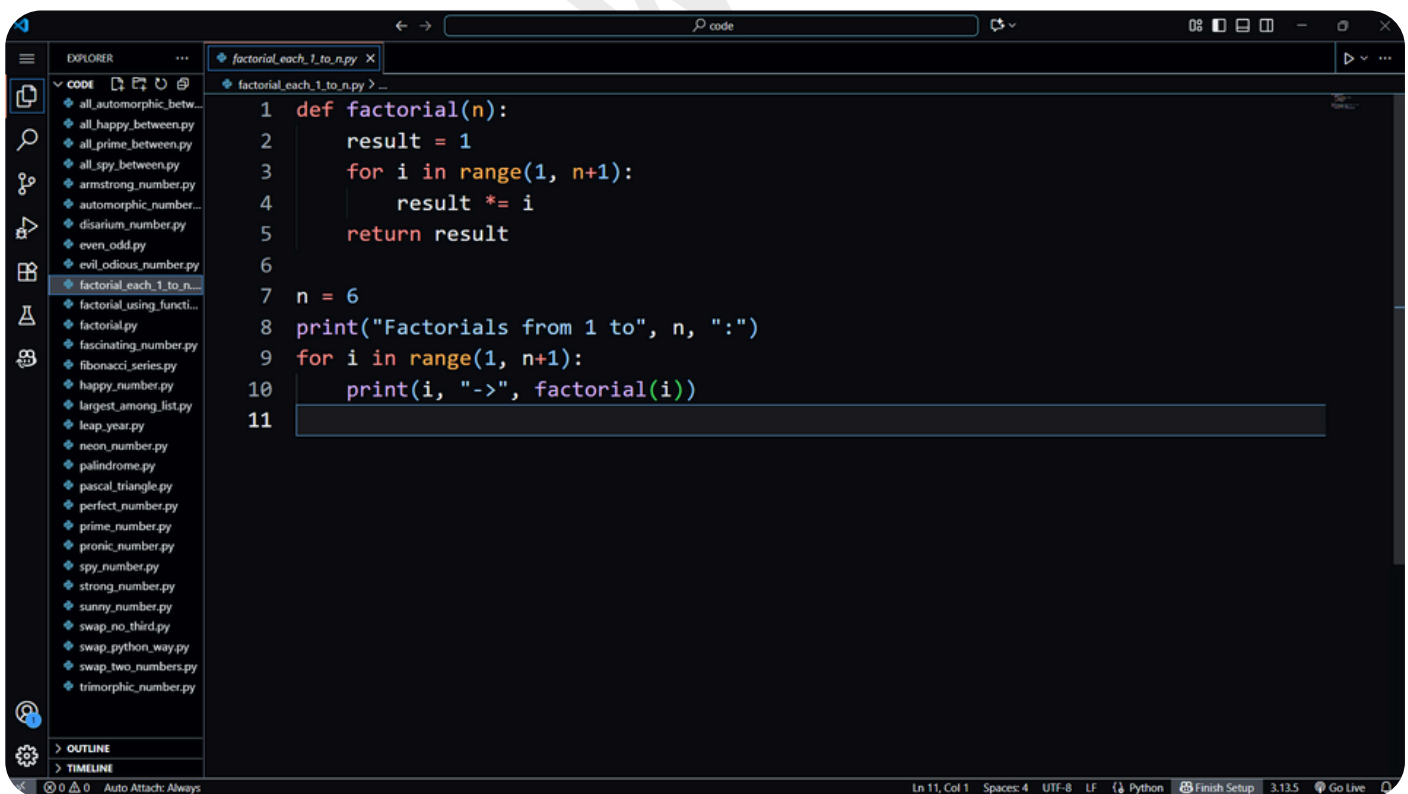
Problem

PYTHON PROGRAM

Python Problem

11. Factorial of each number

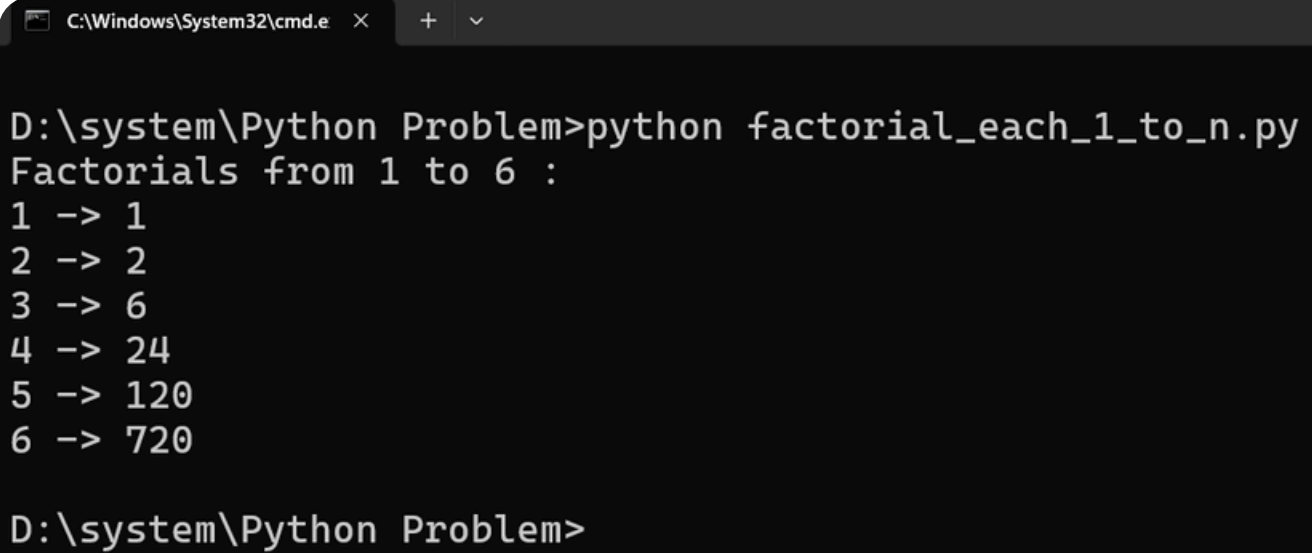
Code

A screenshot of a Python IDE, likely VS Code, with a dark theme. The Explorer panel on the left shows a list of Python files, with 'factorial_each_1_to_n.py' selected. The main editor window displays the following Python code:

```
1 def factorial(n):
2     result = 1
3     for i in range(1, n+1):
4         result *= i
5     return result
6
7 n = 6
8 print("Factorials from 1 to", n, ":")
9 for i in range(1, n+1):
10     print(i, "->", factorial(i))
11
```

The status bar at the bottom indicates 'Ln 11, Col 1', 'Spaces: 4', 'UTF-8', 'LF', 'Python', 'Finish Setup', '3.13.5', and 'Go Live'.

Output



A screenshot of a Windows command prompt window. The title bar shows 'C:\Windows\System32\cmd.e' with a close button and a dropdown menu. The command prompt shows the following text:

```
D:\system\Python Problem>python factorial_each_1_to_n.py
Factorials from 1 to 6 :
1 -> 1
2 -> 2
3 -> 6
4 -> 24
5 -> 120
6 -> 720

D:\system\Python Problem>
```

The output displays the factorials of numbers from 1 to 6. A large, light gray watermark 'TechBy' is visible diagonally across the lower half of the image.



Thank you !
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