



Python

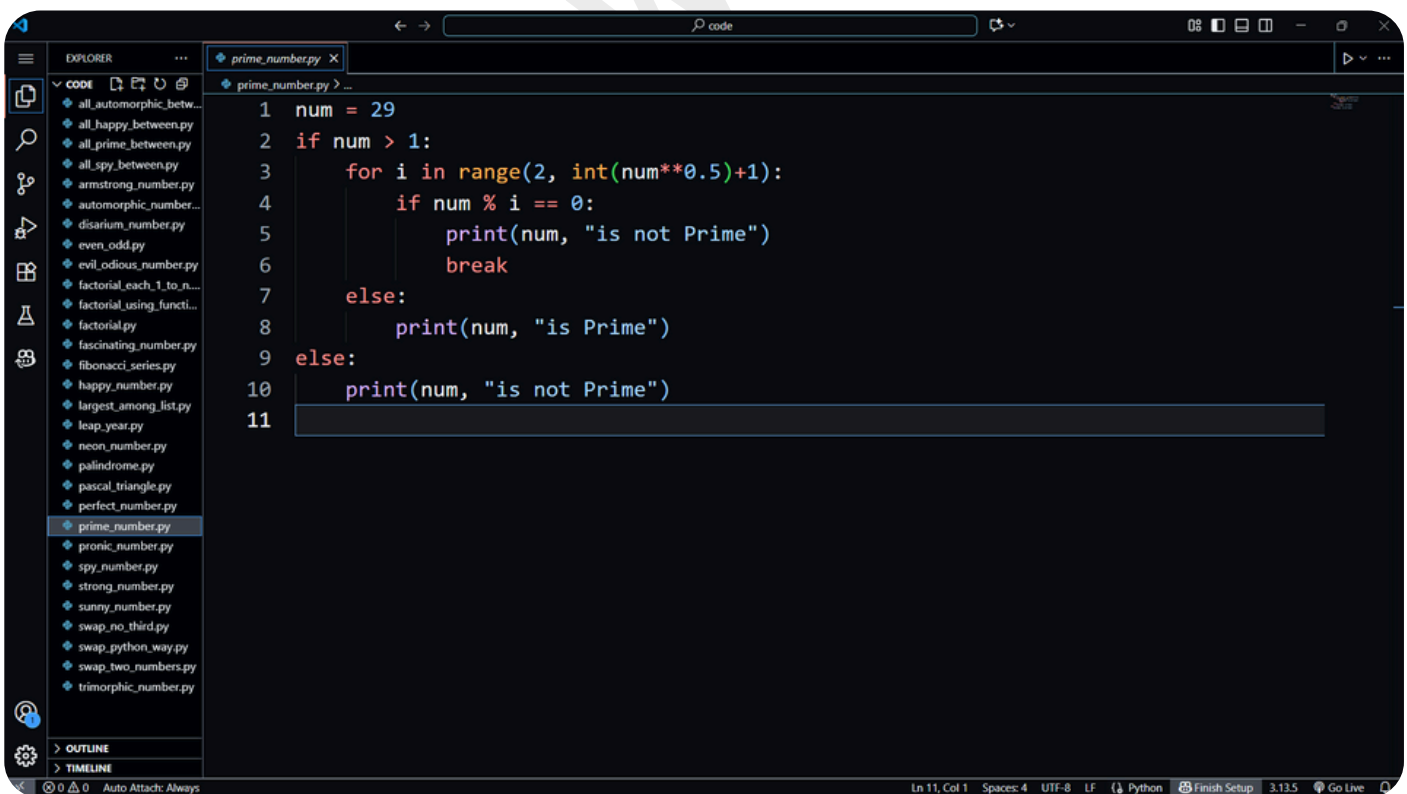
Problem

PYTHON PROGRAM

Python Problem

22. Prime Number

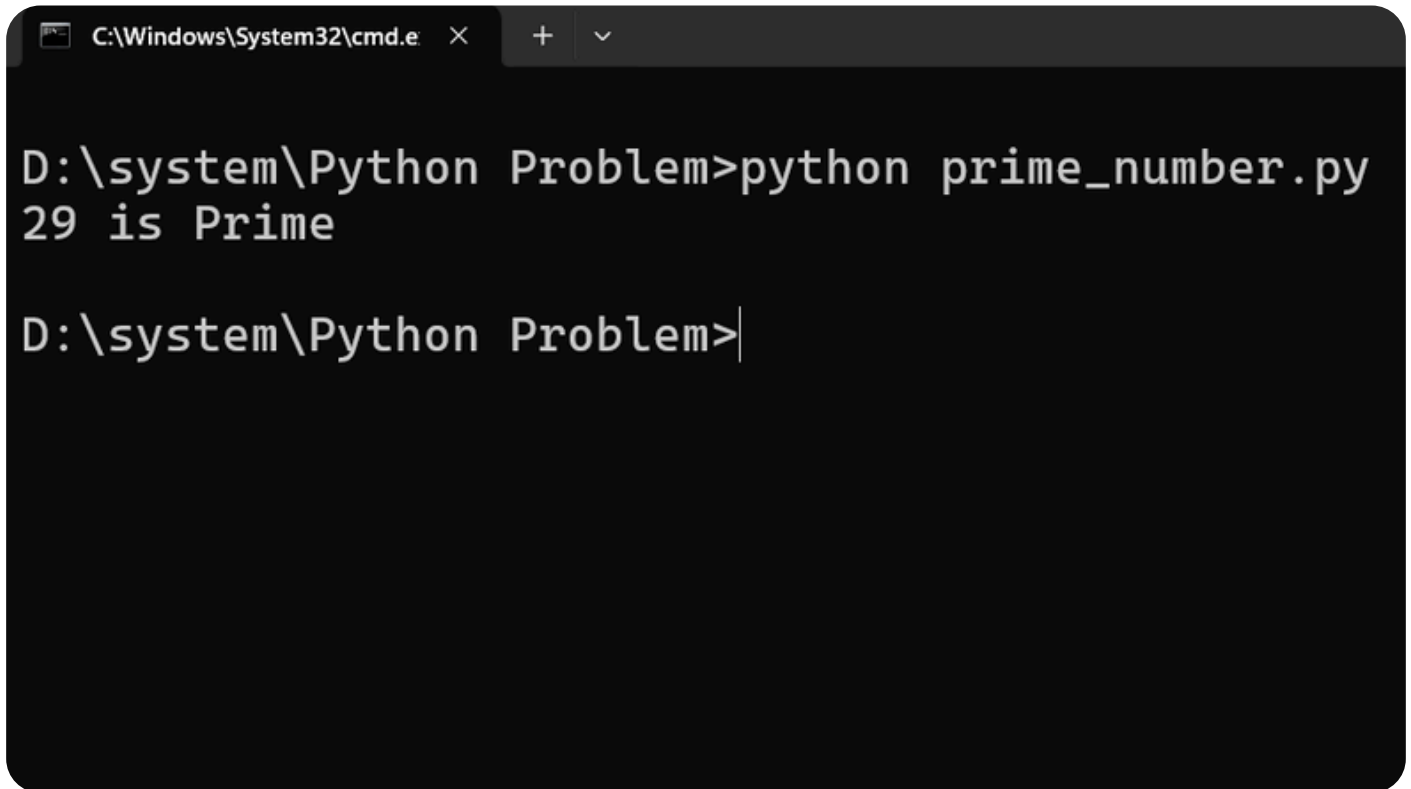
Code



```
1 num = 29
2 if num > 1:
3     for i in range(2, int(num*0.5)+1):
4         if num % i == 0:
5             print(num, "is not Prime")
6             break
7     else:
8         print(num, "is Prime")
9 else:
10    print(num, "is not Prime")
11
```

The screenshot shows a code editor with a file explorer on the left. The file explorer lists various Python files, including 'prime_number.py'. The main editor area displays the code for checking if a number is prime. The code is written in Python and uses a for loop to check divisibility. The number 29 is used as an example. The code is formatted with indentation and comments. The status bar at the bottom shows '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 at the top shows the file path 'C:\Windows\System32\cmd.e' and standard window controls. The command prompt displays the following text:

```
D:\system\Python Problem>python prime_number.py
29 is Prime

D:\system\Python Problem>|
```

The output of the script is '29 is Prime'. A large, light gray watermark 'TechBy' is visible diagonally across the lower half of the image.



Thank you !
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