



Python

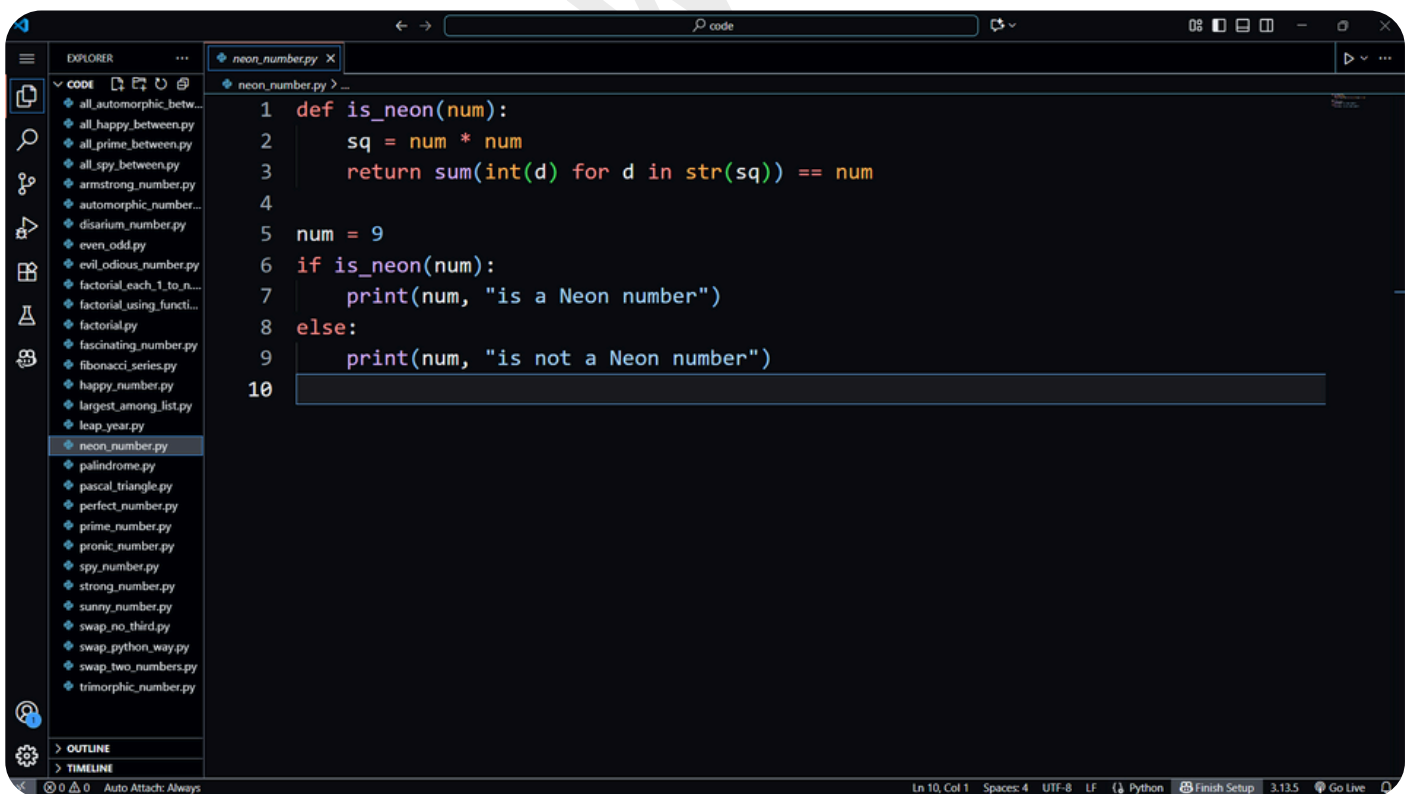
Problem

PYTHON PROGRAM

Python Problem

18. Neon Number

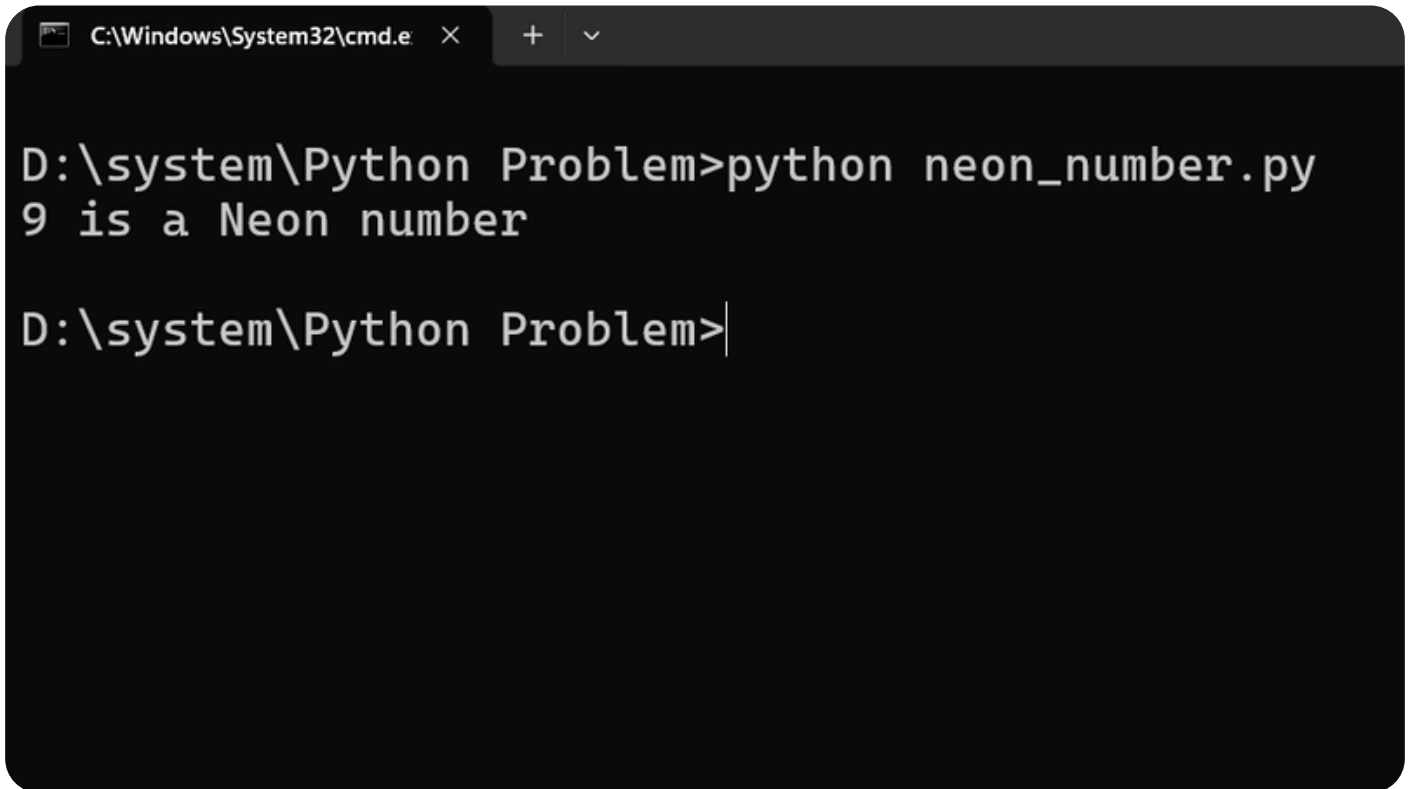
Code



```
1 def is_neon(num):
2     sq = num * num
3     return sum(int(d) for d in str(sq)) == num
4
5 num = 9
6 if is_neon(num):
7     print(num, "is a Neon number")
8 else:
9     print(num, "is not a Neon number")
10
```

The screenshot shows a Python IDE with a file explorer on the left containing various Python files. The main editor window displays the code for a Neon Number program. The code defines a function `is_neon(num)` that calculates the square of `num` and checks if the sum of its digits equals `num`. It then uses this function to check if the number 9 is a Neon number and prints the result.

Output



A screenshot of a Windows command prompt window. The title bar shows the path 'C:\Windows\System32\cmd.e' and standard window controls. The command prompt displays the following text:

```
D:\system\Python Problem>python neon_number.py  
9 is a Neon number  
  
D:\system\Python Problem>|
```

The output shows that the script 'neon_number.py' was executed successfully, resulting in the message '9 is a Neon number'. The cursor is positioned at the end of the second command line.

TechBy



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