



Python

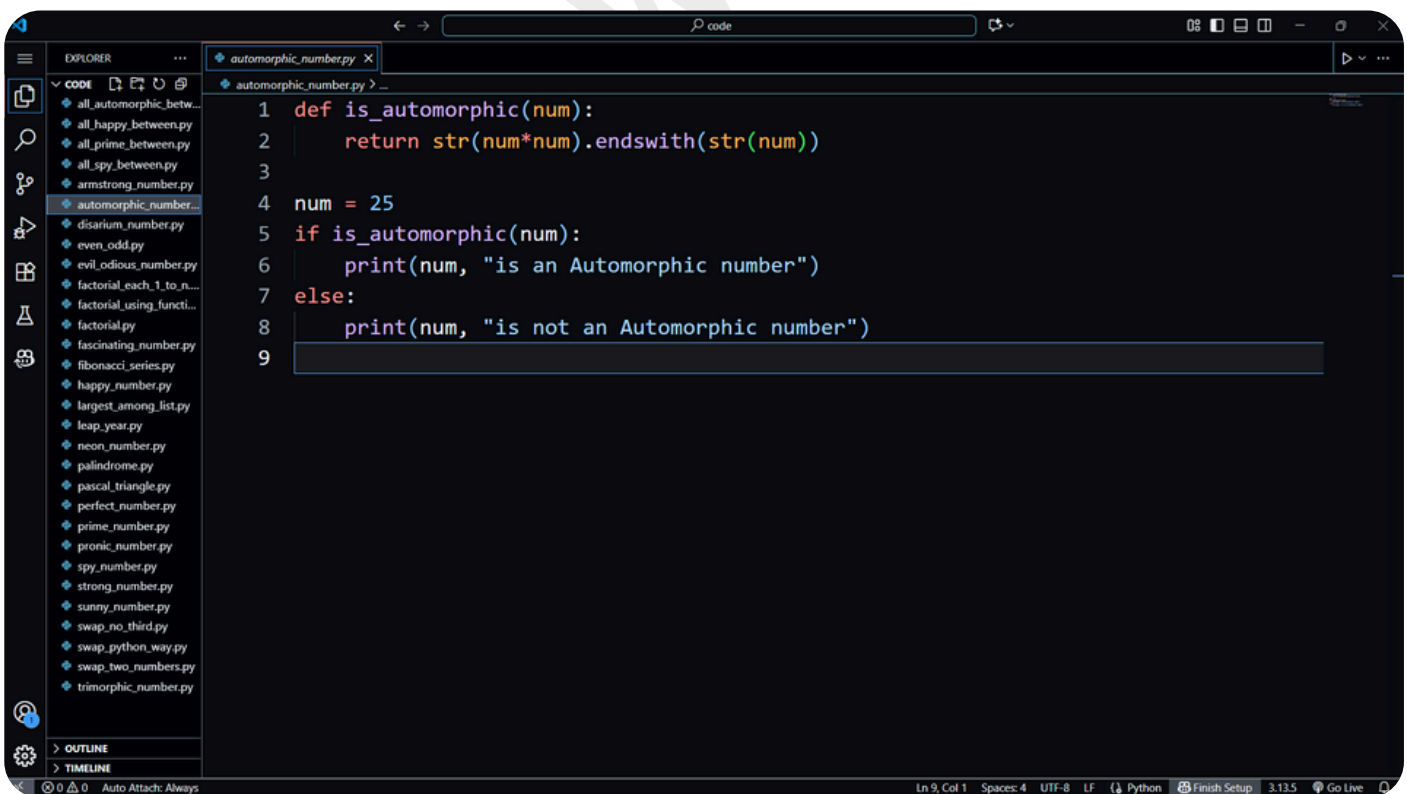
Problem

PYTHON PROGRAM

Python Problem

6. Automorphic Number

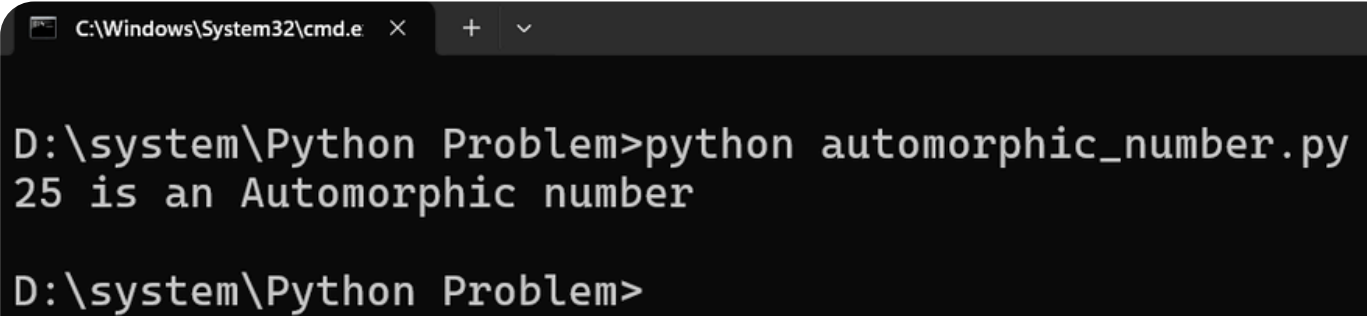
Code



```
1 def is_automorphic(num):
2     return str(num*num).endswith(str(num))
3
4 num = 25
5 if is_automorphic(num):
6     print(num, "is an Automorphic number")
7 else:
8     print(num, "is not an Automorphic number")
9
```

The screenshot shows a code editor with a file explorer on the left containing various Python files. The main editor window displays the code for checking an automorphic number. The code defines a function `is_automorphic` that takes a number `num` and returns `True` if the square of `num` ends with `num`. It then sets `num = 25` and uses an `if` statement to print 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 shows the directory 'D:\system\Python Problem' and the command 'python automorphic_number.py'. The output of the command is '25 is an Automorphic number'. The prompt is ready for the next command.

```
C:\Windows\System32\cmd.e X + v  
D:\system\Python Problem>python automorphic_number.py  
25 is an Automorphic number  
D:\system\Python Problem>
```



Thank you !
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