



Python

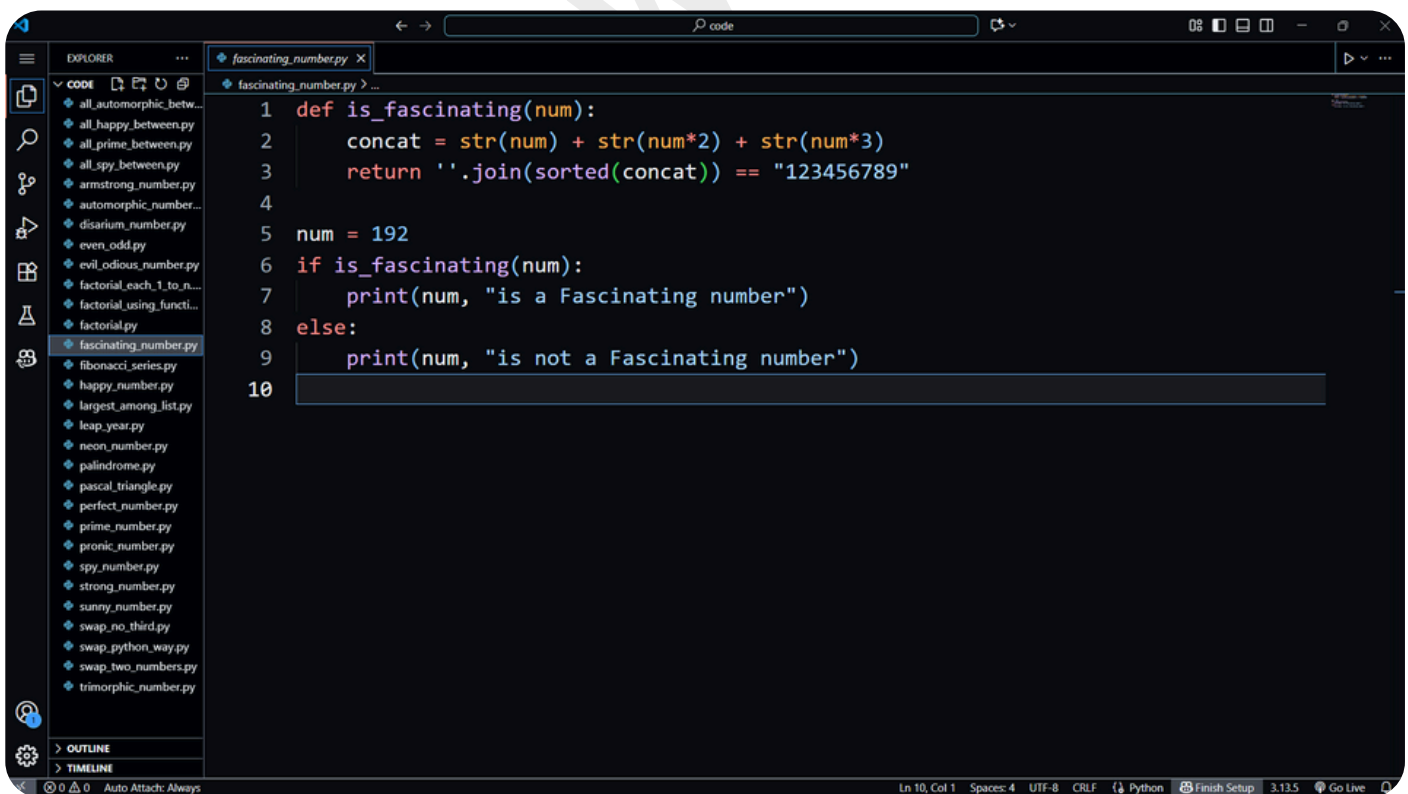
Problem

PYTHON PROGRAM

Python Problem

13. Fascinating Number

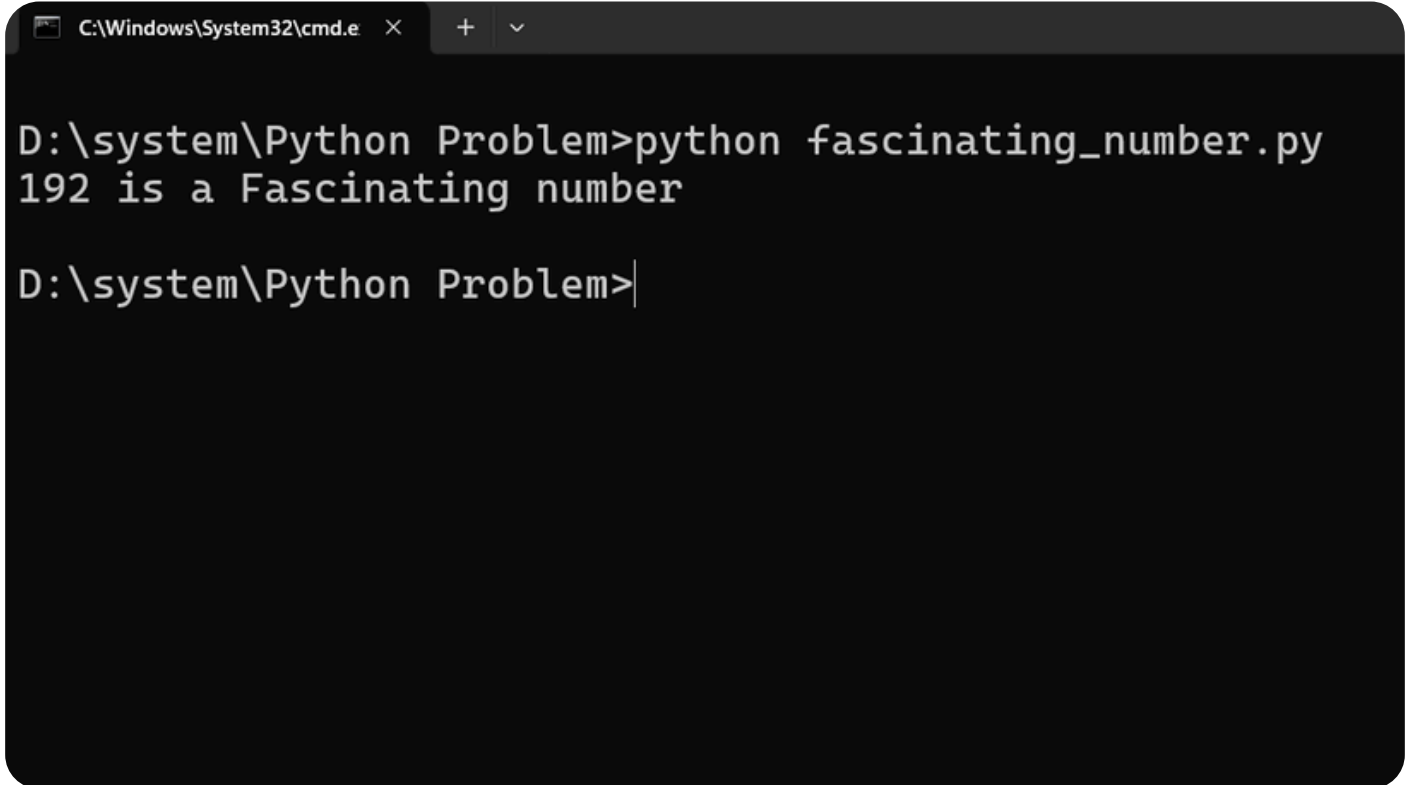
Code



```
1 def is_fascinating(num):
2     concat = str(num) + str(num*2) + str(num*3)
3     return ''.join(sorted(concat)) == "123456789"
4
5 num = 192
6 if is_fascinating(num):
7     print(num, "is a Fascinating number")
8 else:
9     print(num, "is not a Fascinating number")
10
```

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 the 'Fascinating Number' problem. The code defines a function 'is_fascinating' that checks if a number concatenated with its double and triple contains the digits 1 through 9 exactly once. The number 192 is used as an example, and the program prints whether it is a fascinating number.

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 fascinating_number.py' being executed. The output of the script is '192 is a Fascinating number'. The prompt is ready for the next command.

```
C:\Windows\System32\cmd.e X + v
D:\system\Python Problem>python fascinating_number.py
192 is a Fascinating number
D:\system\Python Problem>|
```

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