



# Python

# Problem

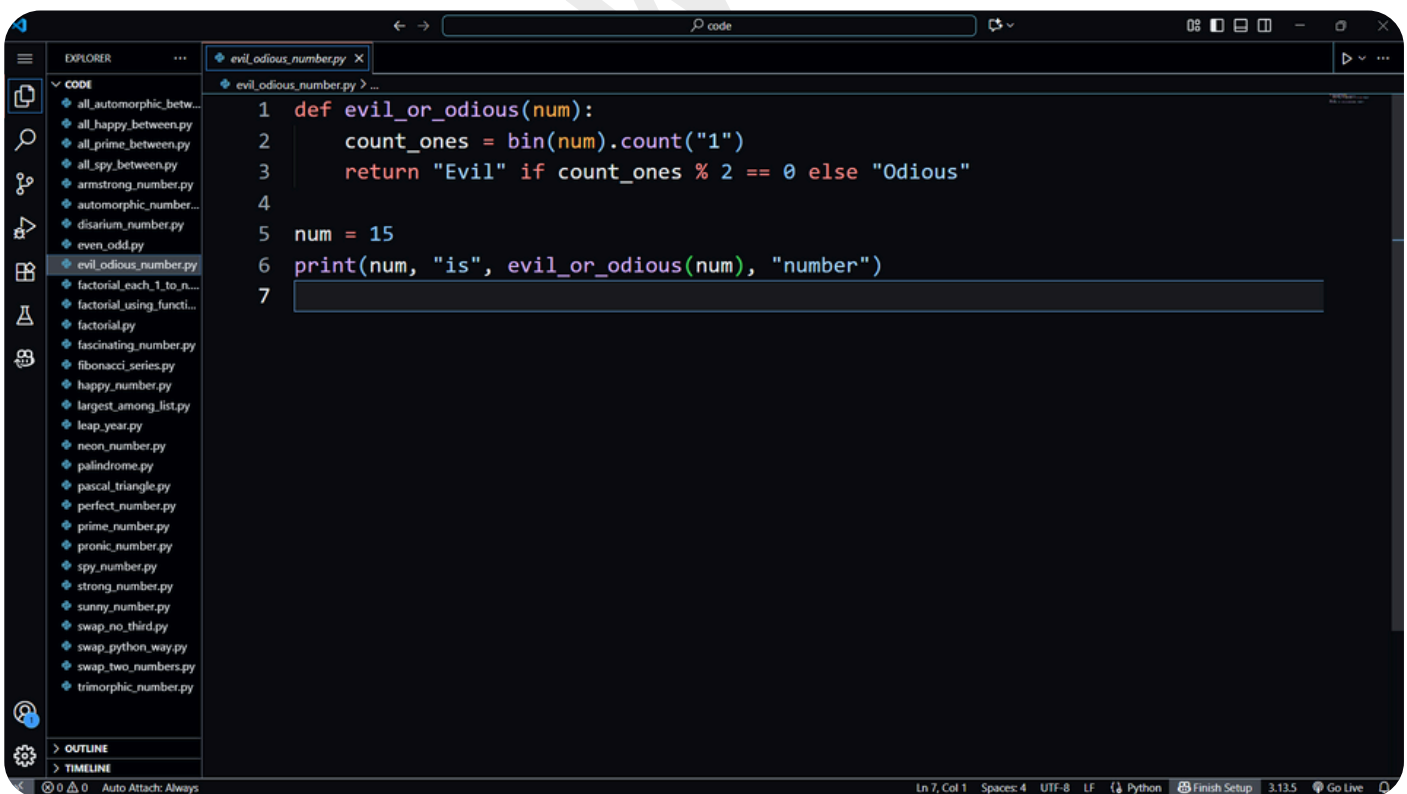
# PYTHON PROGRAM

## Python Problem

### 9. Evil–Odious Number

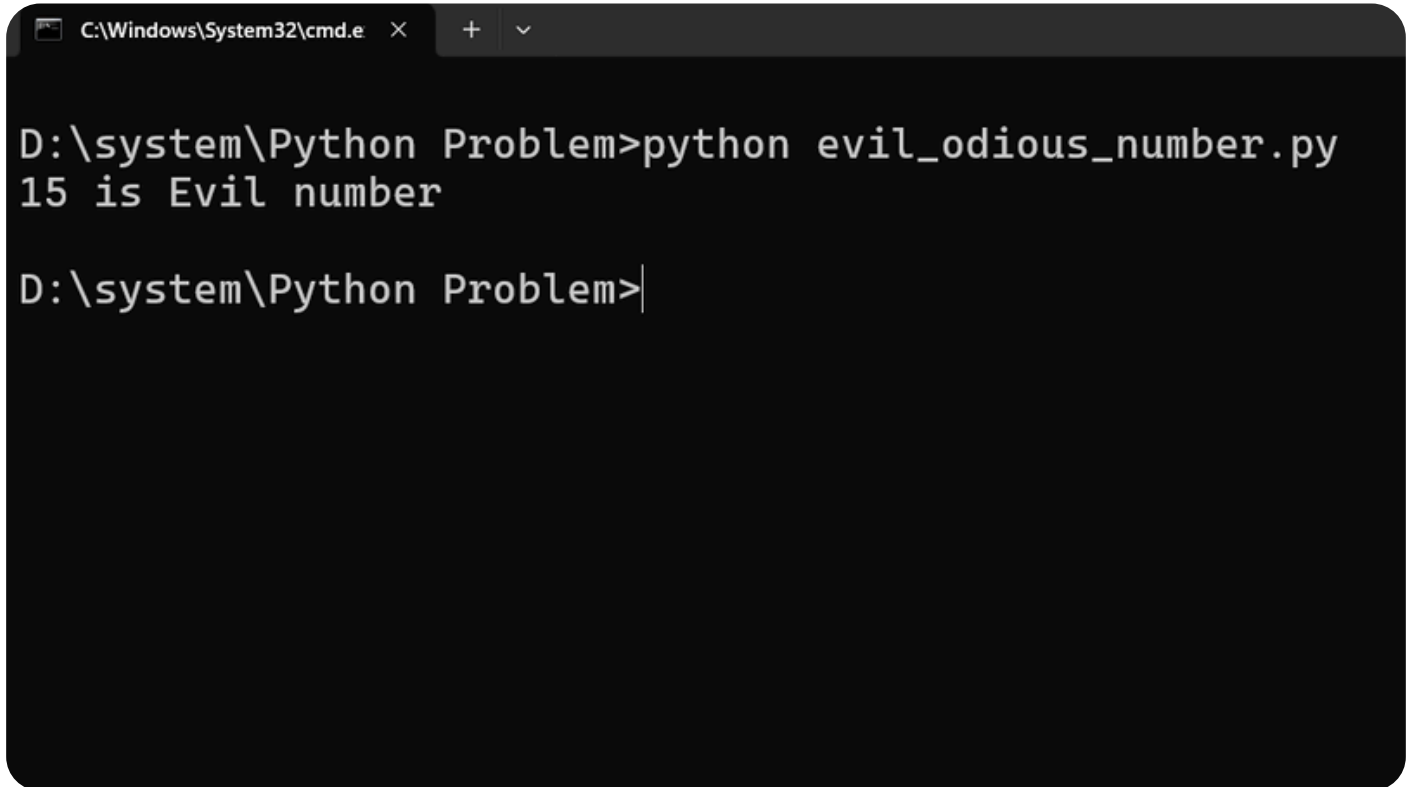
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#### Code



```
1 def evil_or_odious(num):
2     count_ones = bin(num).count("1")
3     return "Evil" if count_ones % 2 == 0 else "Odious"
4
5 num = 15
6 print(num, "is", evil_or_odious(num), "number")
7
```

# 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 execution of 'python evil\_odious\_number.py', which outputs '15 is Evil number'. A new command prompt line is shown below with a cursor.

```
C:\Windows\System32\cmd.e × + v  
D:\system\Python Problem>python evil_odious_number.py  
15 is Evil number  
D:\system\Python Problem>|
```

TechBy



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