



Python

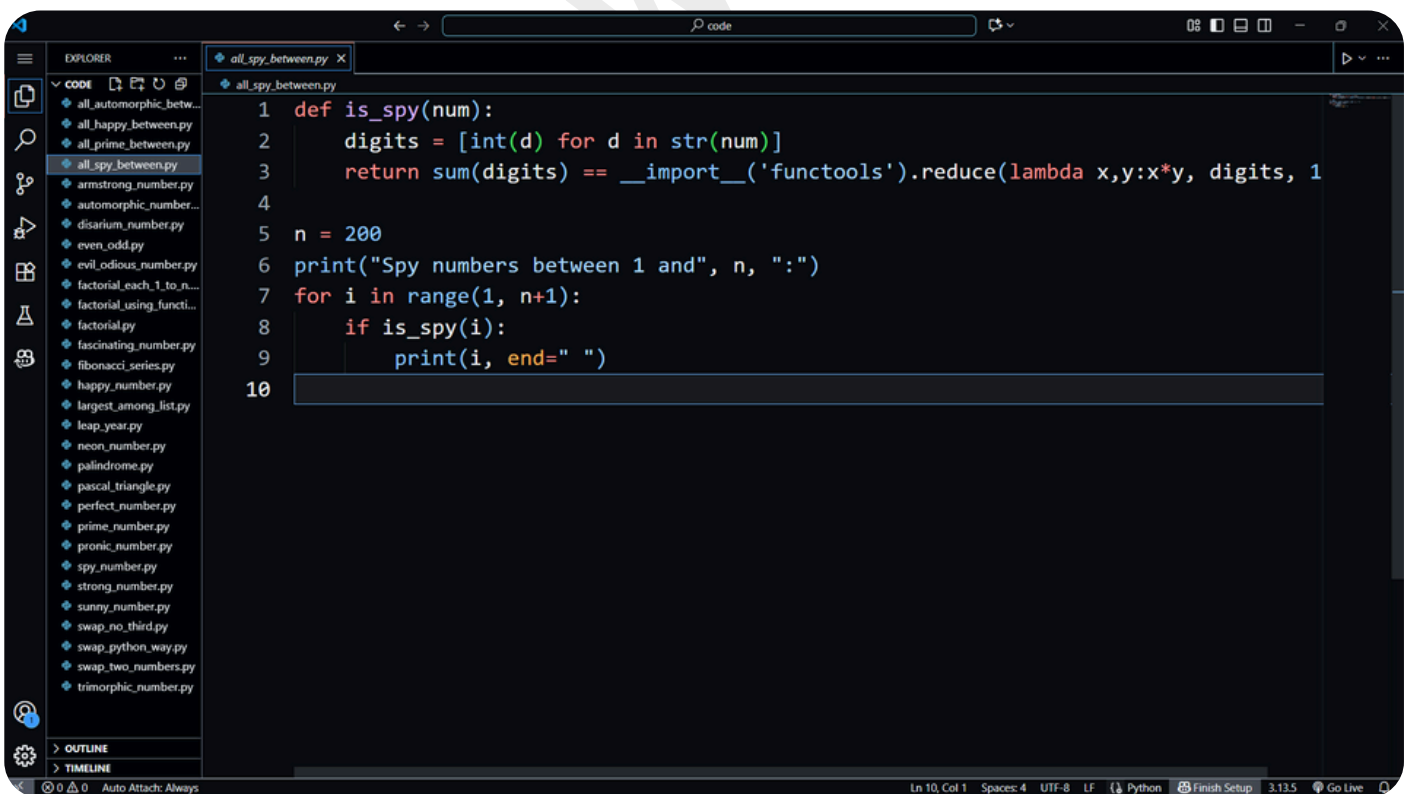
Problem

PYTHON PROGRAM

Python Problem

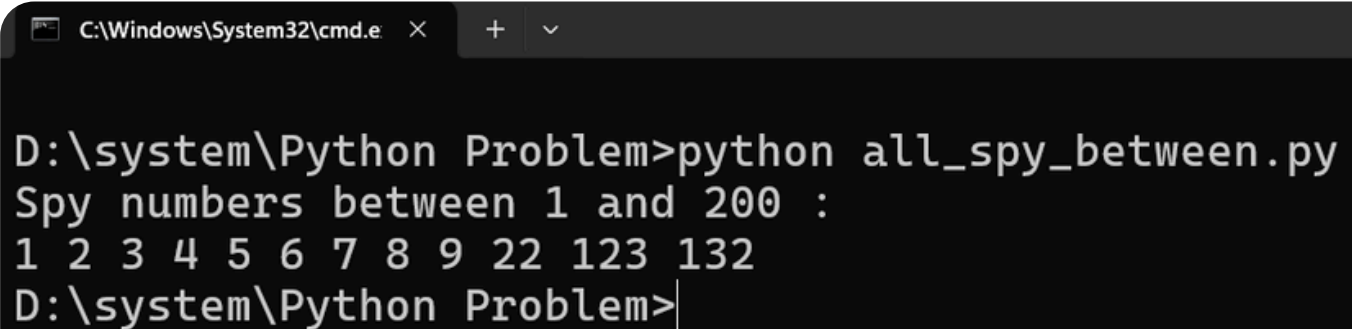
4. All Spy Numbers

Code



```
1 def is_spy(num):
2     digits = [int(d) for d in str(num)]
3     return sum(digits) == __import__('functools').reduce(lambda x,y:x*y, digits, 1)
4
5 n = 200
6 print("Spy numbers between 1 and", n, ":")
7 for i in range(1, n+1):
8     if is_spy(i):
9         print(i, end=" ")
10
```

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 following text:

```
D:\system\Python Problem>python all_spy_between.py  
Spy numbers between 1 and 200 :  
1 2 3 4 5 6 7 8 9 22 123 132  
D:\system\Python Problem>
```

The output of the script is a list of numbers: 1, 2, 3, 4, 5, 6, 7, 8, 9, 22, 123, and 132.



Thank you !
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