



# Python

# Problem

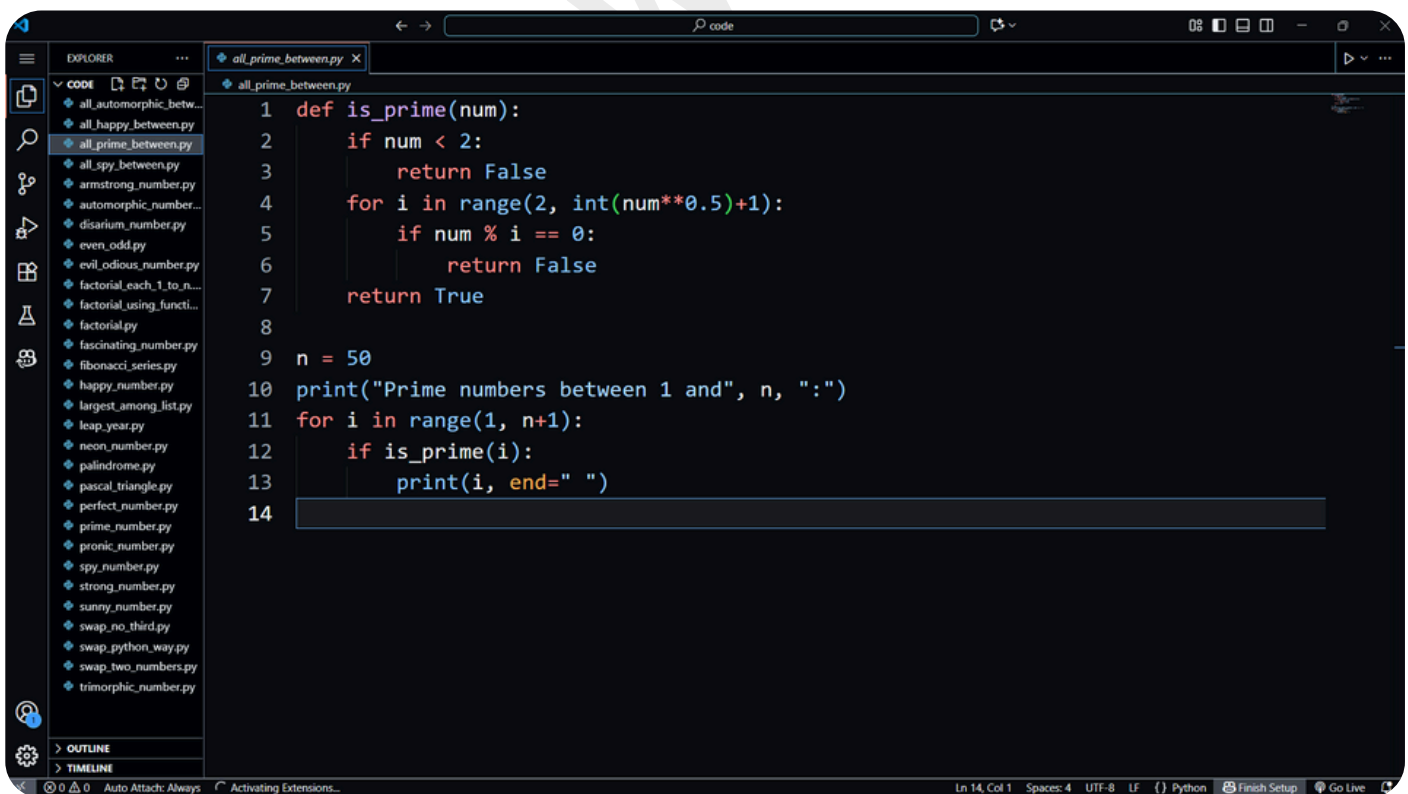
# PYTHON PROGRAM

## Python Problem

### 3. All Prime Numbers

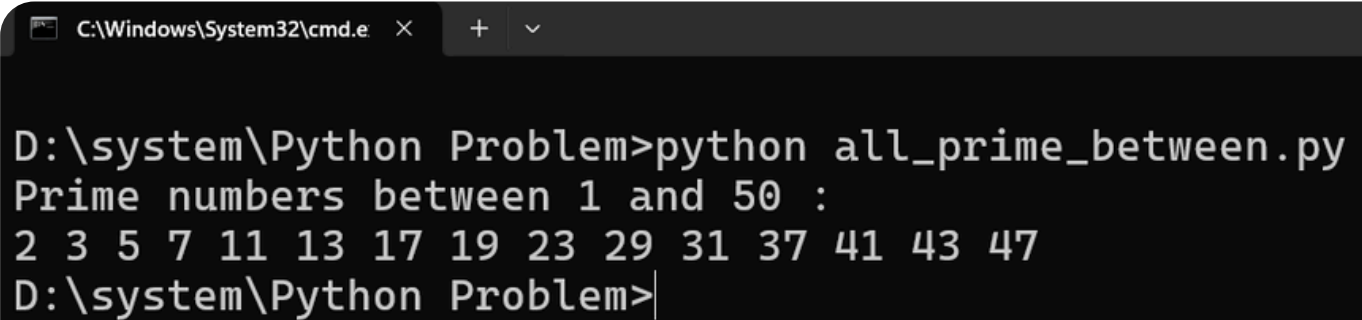
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#### Code



```
1 def is_prime(num):
2     if num < 2:
3         return False
4     for i in range(2, int(num*0.5)+1):
5         if num % i == 0:
6             return False
7     return True
8
9 n = 50
10 print("Prime numbers between 1 and", n, ":")
11 for i in range(1, n+1):
12     if is_prime(i):
13         print(i, end=" ")
14
```

# 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 all\_prime\_between.py'. The output of the script is 'Prime numbers between 1 and 50 : 2 3 5 7 11 13 17 19 23 29 31 37 41 43 47'. The prompt is currently at 'D:\system\Python Problem>'.

```
C:\Windows\System32\cmd.e X + v
D:\system\Python Problem>python all_prime_between.py
Prime numbers between 1 and 50 :
2 3 5 7 11 13 17 19 23 29 31 37 41 43 47
D:\system\Python Problem>
```



**Thank you !**  
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