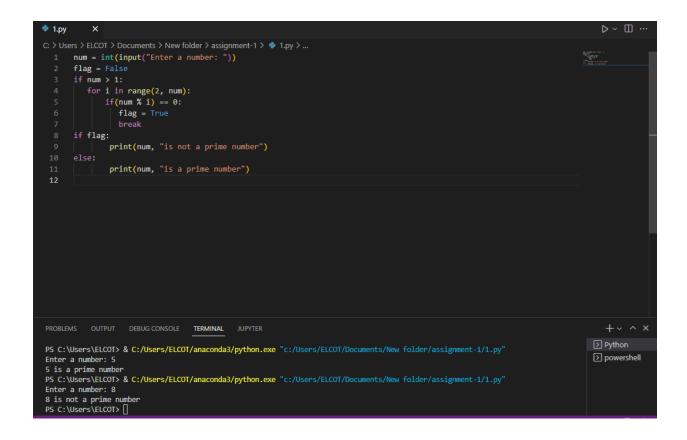
IBM ASSIGNMENT 1

1. Write a python program to test a given number is prime or not

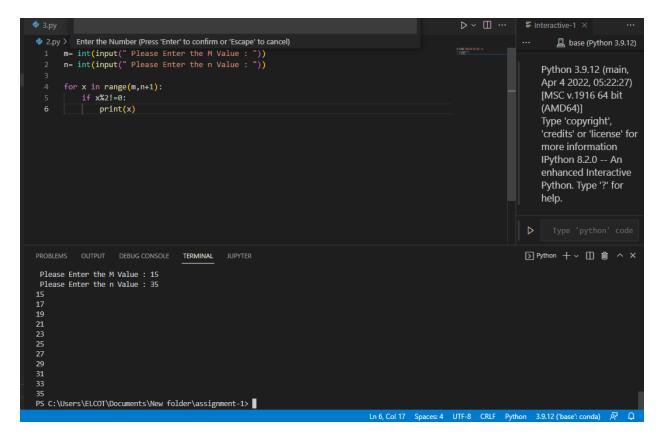
```
Program:
num = int(input("Enter a number: "))
flag = False
if num > 1:
for i in range(2, num):
if (num % i) == 0:
flag = True
break
if flag:
print(num, "is not a prime number")
else:
print(num, "is a prime number")
```



2. Write a program to generate odd numbers from m to n using while loop.

Program:

m= int(input(" Please Enter the M Value : ")) n= int(input(" Please Enter the n Value : ")) for x in range(m,n+1): if x%2!=0: print(x)



3. Write a python program to display prime number series up to given number Program:

num = int(input("Enter the Number"))

for number in range(1,num+1):

if number>1:15

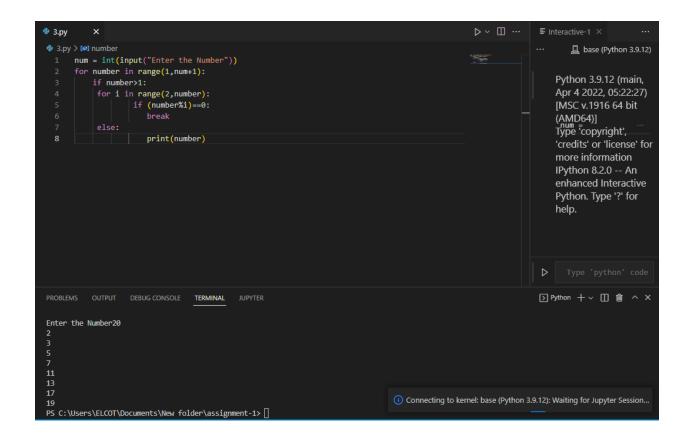
for i in range(2,number):

if (number%i)==0:

break

else:

print(number)



```
4. Write a python program to generate fibonacci series
Program:
nterms = int(input("Number of terms? "))
n1, n2 = 0, 1
count = 0
if nterms <= 0:
print("Please enter a positive integer")
elif nterms == 1:
print("Fibonacci sequence upto",nterms,":")
print(n1)
else:
print("Fibonacci sequence:")
while count < nterms:
print(n1)
nth = n1 + n2
n1 = n2
n2 = nth
count += 1
```

