IBM ASSIGNMENT 1

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

Program

n=int(input("enter the number"))

if n > 1:

for i in range(2, n):

if (n % i) == 0:

print(n, "is not a prime number")

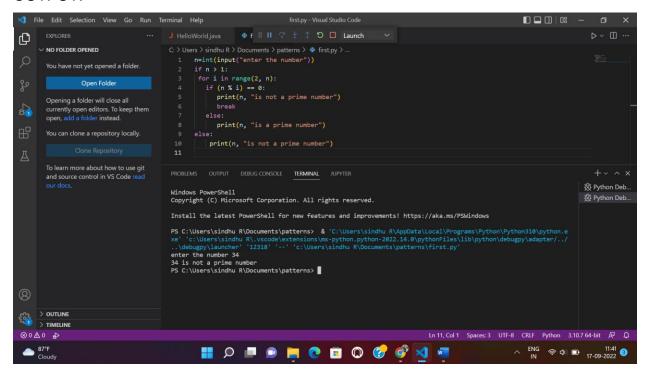
break

else:

print(n, "is a prime number")

else:

print(n, "is not a prime number")



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

first=int(input("enter the 1st number"))

last=int(input("enter the last number"))

for n in range(first,last + 1):

if n > 1:

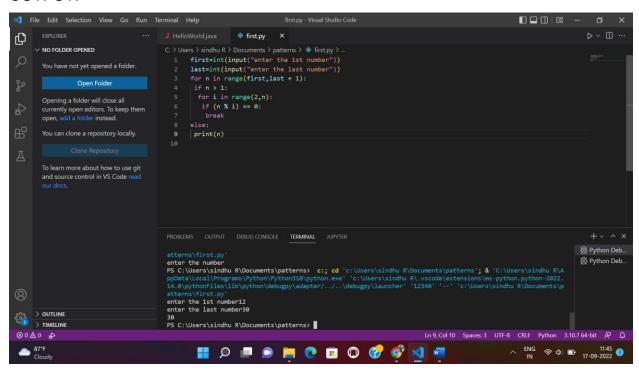
for i in range(2,n):

if (n % i) == 0:

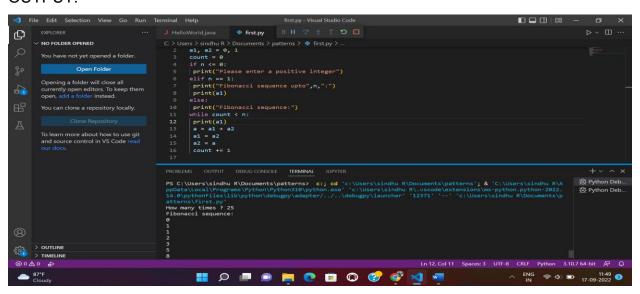
break

else:

print(n)



```
4. Write a python program to generate fibonacci series
Program:
n = int(input("How many times ? "))
a1, a2 = 0, 1
count = 0
if n <= 0:
print("Please enter a positive integer")
elif n == 1:
print("Fibonacci sequence upto",n,":")
print(a1)
else:
print("Fibonacci sequence:")
while count < n:
print(a1)
a = a1 + a2
a1 = a2
a2 = a
count += 1
```



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

Program:

```
m=int(input("enter the 1st number"))
n=int(input("enter the last number"))
p=m
while (p<=n):
    if(n%2!=0):
        print(n)
    p+=1</pre>
```

