ASSIGNMENT

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

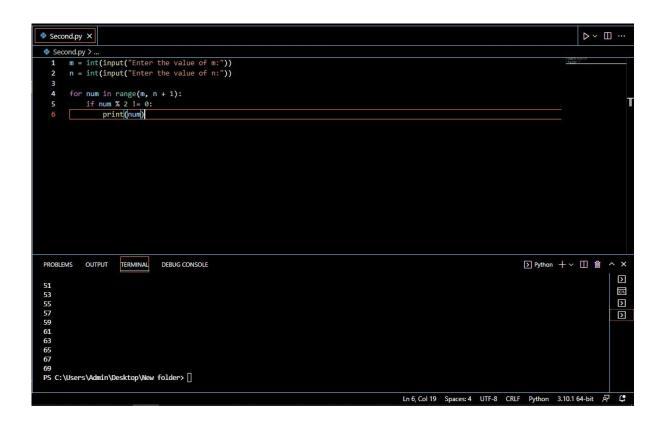
```
n = int(input("Enter a number: "))
flag = False if n > 1:     for i in
range(2, n):          if (n % i) == 0:
flag = True          break if flag:
print(n, "is not a prime number")
else:    print(n, "is a prime
number")
```



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

Program: m= int(input(" Please Enter the Maximum

Value : ")) number = 1 while number <= maximum:



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)
```

```
n1 = n2 n2 = nth
count += 1
```

```
        ◆ Fourthpy X
        ▷ ∨ □ ···

        ◆ Fourthpy >...
        1 n = int(input("Number of terms? "))

        2 n1, n2 = 0, 1
        3 count = 0

        4 if n <= 0:</td>
        5 print("Filease enter a positive integer")

        6 elif n = 1:
        7 print("Fibonacci sequence upto",n,":")

        8 print(n1)
        9 else:

        10 print("Fibonacci sequence:")
        11 while count 

        11 while count 
        12 print(n1)

        13 nth = n1 + n2
        14 n1 = n2

        14 n1 = n2
        15 n2 - nth

        16 count += 1
        17

        PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
        D Python + ∨ □ ★ ×

        Number of terms? 9 Fibonacci sequence:
        0

        9 I
        0

        1 I
        1

        2 Python + ∨ □ ★ ×
        0

        3 S
        0

        4 Python + ∨ □ ★ ×

        1 D
        0

        2 Python + ∨ □ ★ ×

        3 S
        0

        3 S
        0

        4 Python + ∨ □ ★ ×

        1 D
        0

        2 Python + ∨ □ ★ ×

        3 S
        0

        3 S
        0

        4 Python + ∨ □
```