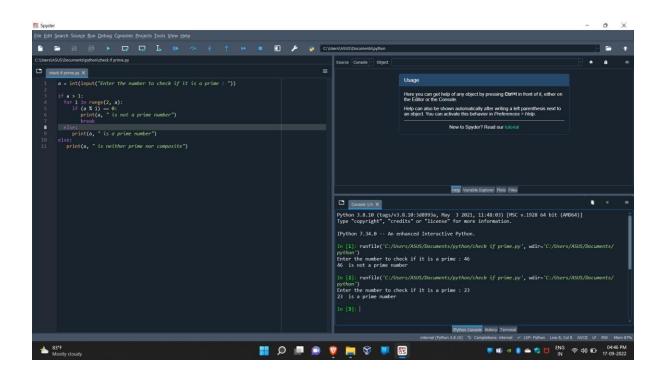
ASSIGNMENT - 1

1. Check if prime or not:

Program:

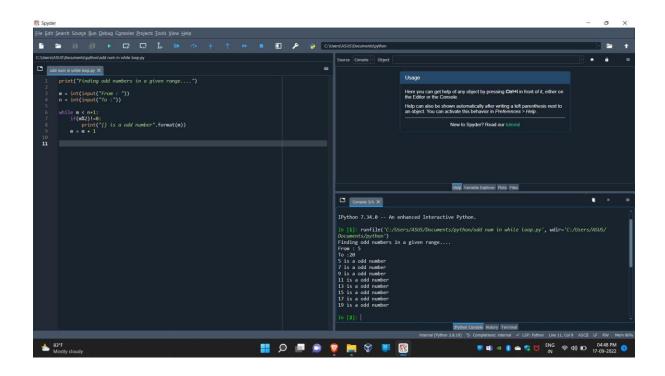
```
a = int(input("Enter the number to check if it is a prime : "))
if a > 1:
for i in range(2, a):
   if (a % i) == 0:
     print(a, " is not a prime number")
     break
else:
   print(a, " is a prime number")
else:
   print(a, " is neither prime nor composite")
```



2.Generate odd number from m to n using while loop:

Program:

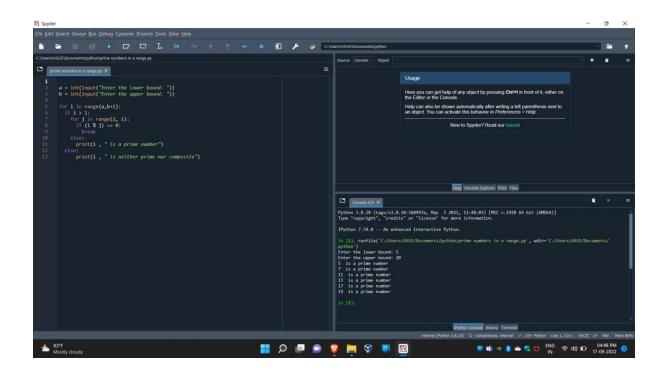
```
\begin{split} & print("Finding odd numbers in a given range ...") \\ & m = int(input("From:")) \\ & n = int(input("To:")) \\ & while \ m < n+1: \\ & if(m\%2)! = 0: \\ & print("\{\} \ is \ a \ odd \ number".format(m)) \\ & m = m+1 \end{split}
```



3.Display prime number series upto given number:

Program:

```
a = int(input("Enter the lower bound: "))
b = int(input("Enter the upper bound: "))
for i in range(a,b+1):
  if i > 1:
    for j in range(2, i):
       if (i % j) == 0:
            break
       else:
            print(i, " is a prime number")
       else:
            print(i, " is neither prime nor composite")
```



4.Generate Fibonacci Series:

Program:

```
a = 0
b = 1
n = int(input("Enter the range of fibonacci numbers you wish to find: "))
print(a)
print(b)
for i in range(0,n-2):
fib = a + b
print(fib)
a = b
b = fib
i = i + 1
```

