ASSIGNMENT – 1

TEAM ID	PNT2022TMID33820
PROJECT NAME	PERSONAL EXPENSE TRACKER APPLICATION
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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")

Output:

```python
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")
```
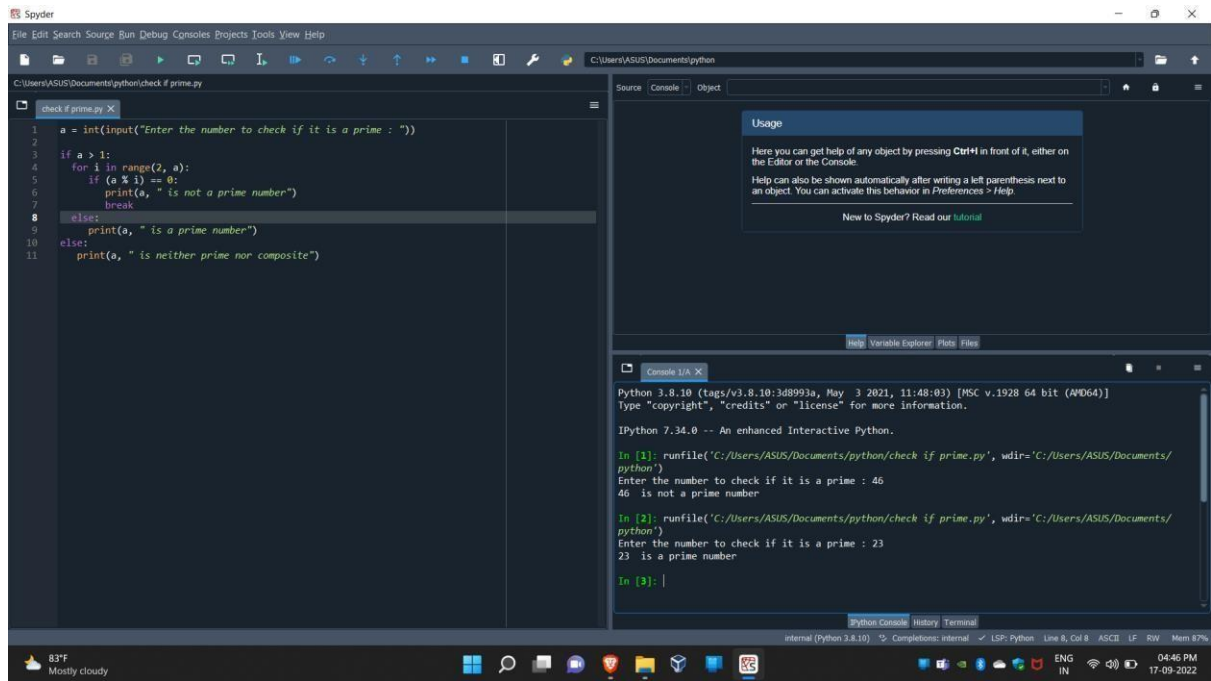
2.Generate odd number from m to n using while loop:

Program:

print("Finding odd numbers in a given range ... ")
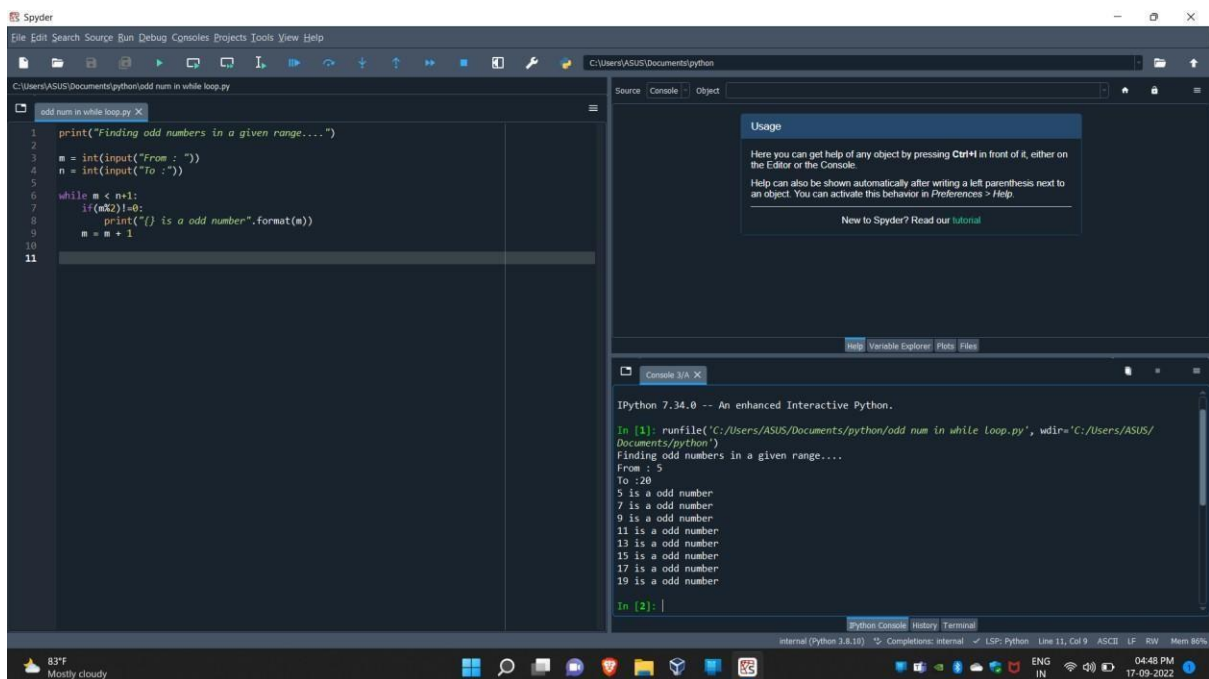
m = int(input("From : "))

n = int(input("To :"))

while m < n+1:

  if(m%2)!=0:

    print("{} is a odd number".format(m))

  m = m + 1

Output:

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")
```
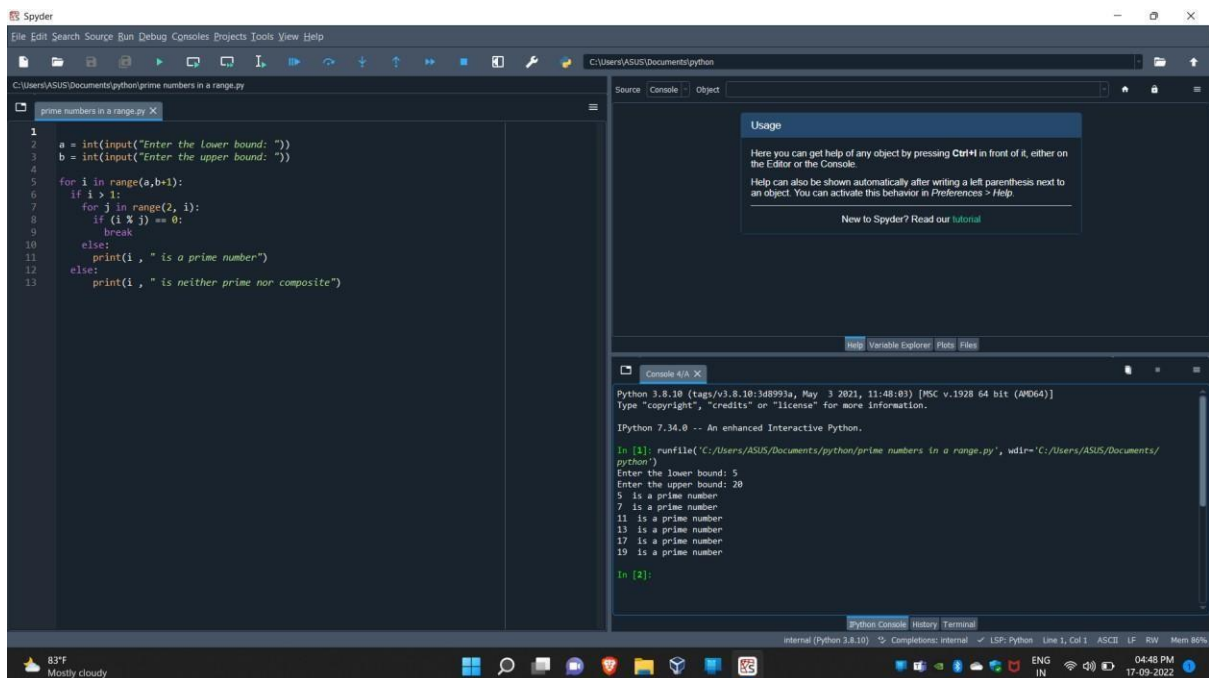
Output:

4. Generate Fibonacci Series:

Program:

a = 0

b = 1

n = int(input("Enter the range of fibonacci numbers you wish to find : "))

print(a)
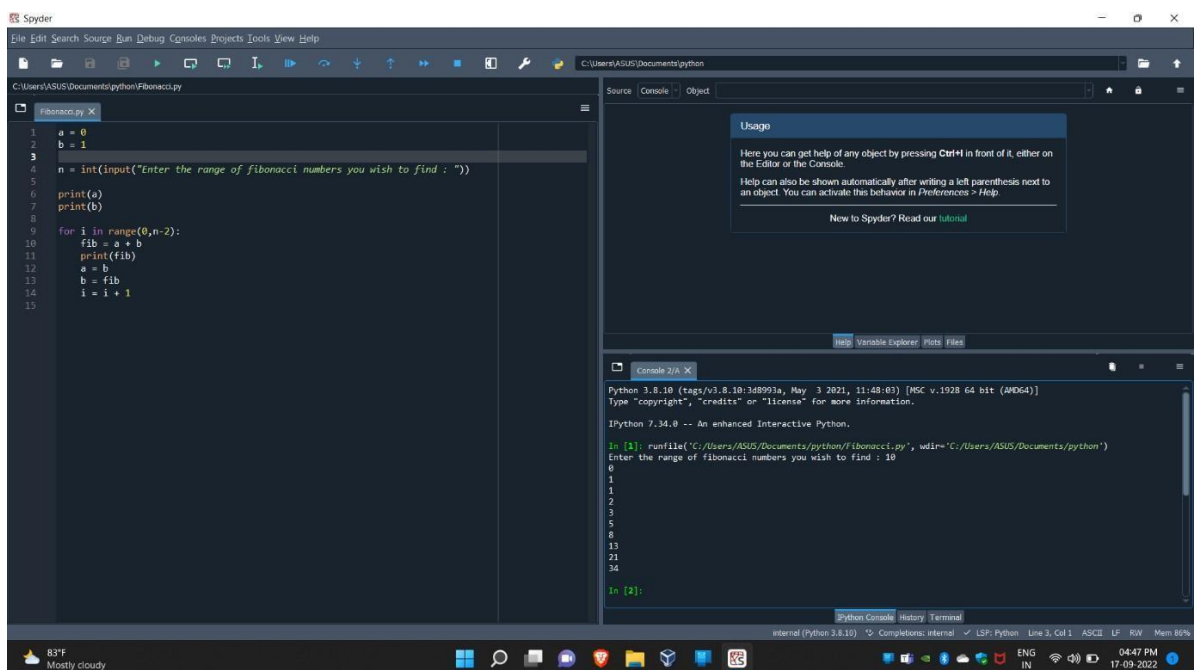
print(b)

for i in range(0,n-2):

   fib = a + b

   print(fib)

   a = b

   b = fib

   i = i + 1

Output: