

ASSIGNMENT – 1

TEAM ID	PNT2022TMID27400
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
```

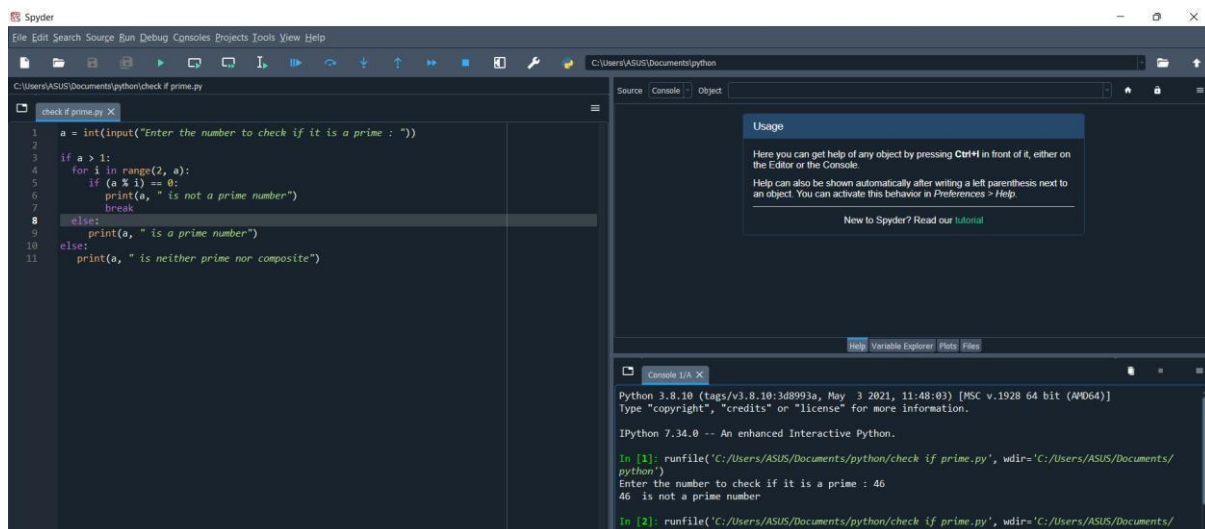
```
    else:
```

```
        print(a, " is a prime number")
```

```
else:
```

```
    print(a, " is neither prime nor composite")
```

Output:



The screenshot displays the Spyder Python IDE interface. The left pane shows the code for checking if a number is prime. The right pane shows the console output, which includes the Python version (3.8.10), the IPython version (7.34.0), and the execution of the script. The input number is 46, and the output is "46 is not a prime number".

```
Python 3.8.10 (tags/v3.8.10:3d8993a, May 3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)]
Type "copyright", "credits" or "license()" for more information.

IPython 7.34.0 -- An enhanced Interactive Python.

In [1]: runfile('C:/Users/ASUS/Documents/python/check if prime.py', wdir='C:/Users/ASUS/Documents/python')
Enter the number to check if it is a prime : 46
46 is not a prime number

In [2]: runfile('C:/Users/ASUS/Documents/python/check if prime.py', wdir='C:/Users/ASUS/Documents/python')
```

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 :"))

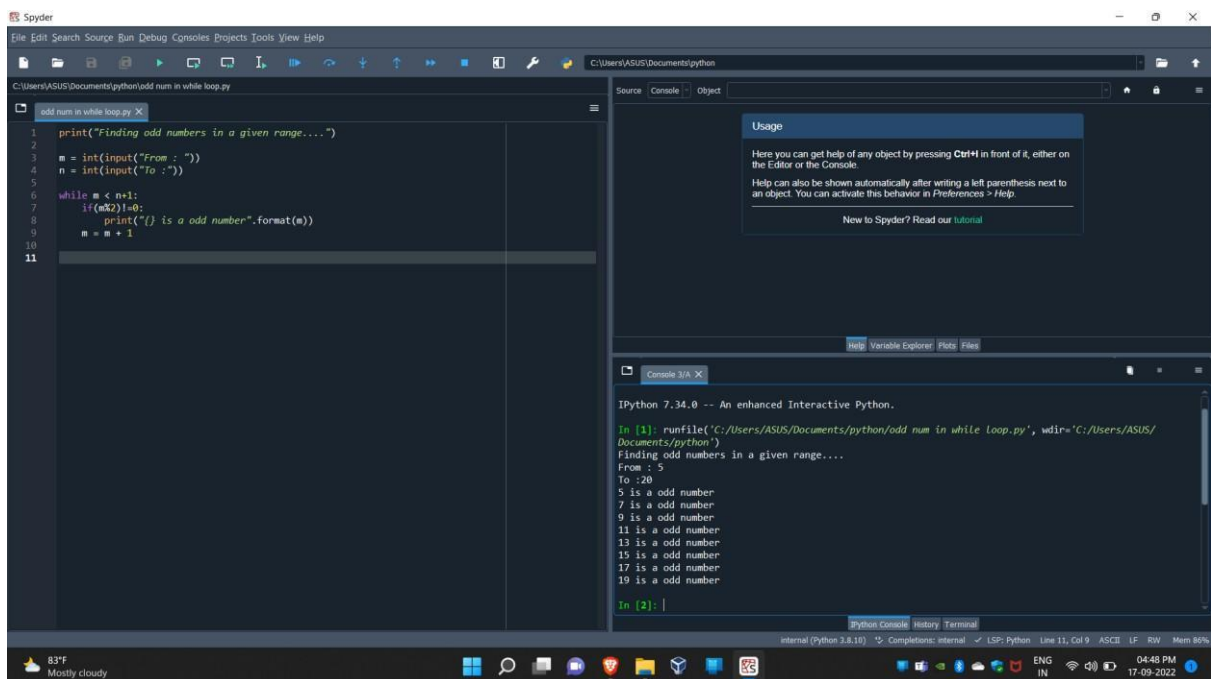
while m < n+1:

    if(m%2)!=0:

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

    m = m + 1
```

Output:

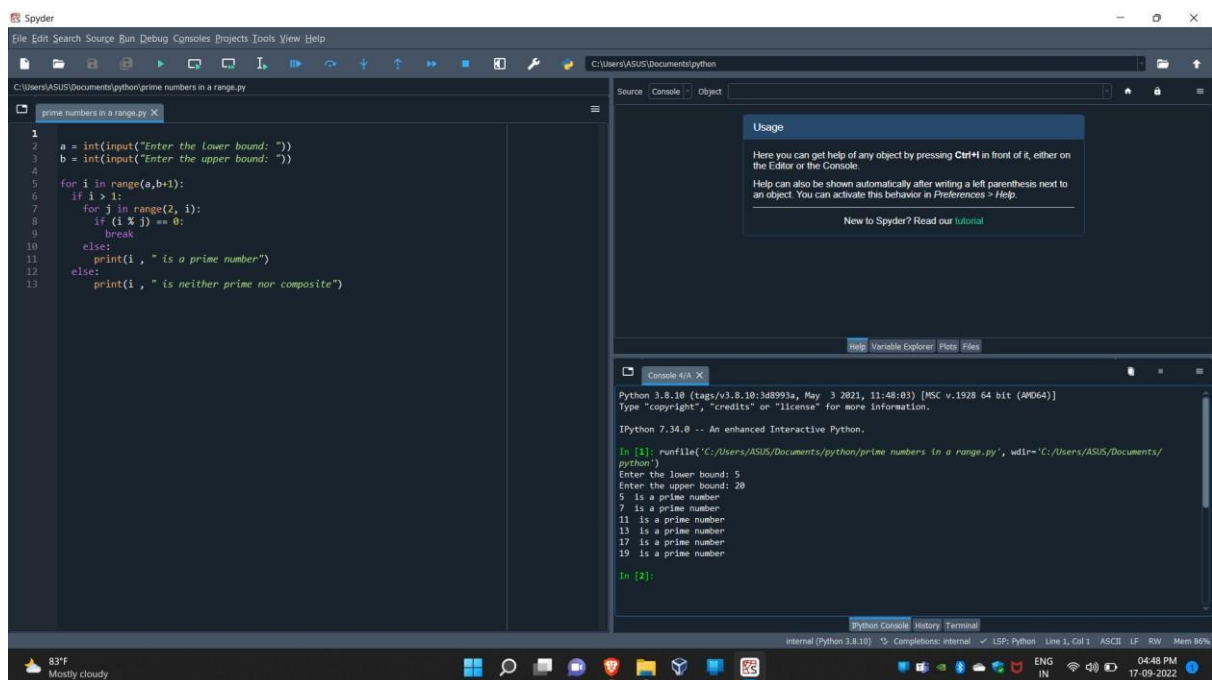


3.Display prime number series upto given number:

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:

