Assignment -4
Python Programming
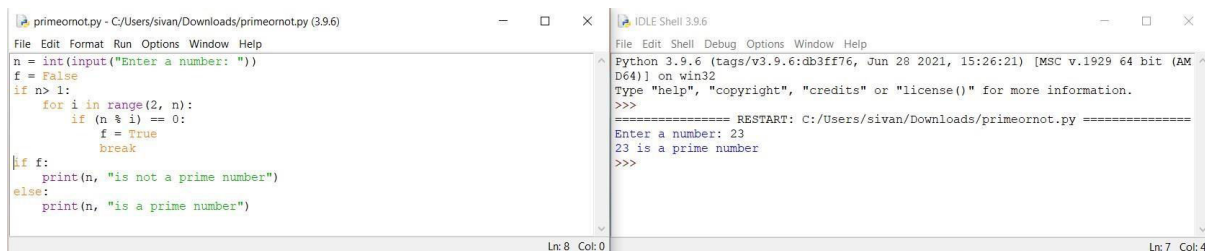
Assignment Date	19 September 2022
Student Name	Mohamed Yahiya. B
Student Roll Number	963219104018
Maximum Marks	2 Marks

Question-1:

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

Solution :

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


Question-2:

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

Solution :

```python
min = int(input(" Enter any min value:"))
max = int(input(" Enter any max Value : "))
X=1;
if (min < max):
```

```
      while X in range(min,max+ 1):
        if( X % 2 != 0):
          print("{0}".format(X))
        X=X+1;
    else:
      print("min value you've entered is greater than max value")
```


Question-3:

Write a Python program to display prime number series
upto given number.

Solution :

```
l = 1
u = int(input("Enter the number : "))
print("Prime numbers between",1,"and",u,"are:")
for n in range(l,u + 1):
  if n > 1:
    for i in range(2, n):
      if (n%i) == 0:
        break
    else:
      print(n)
```
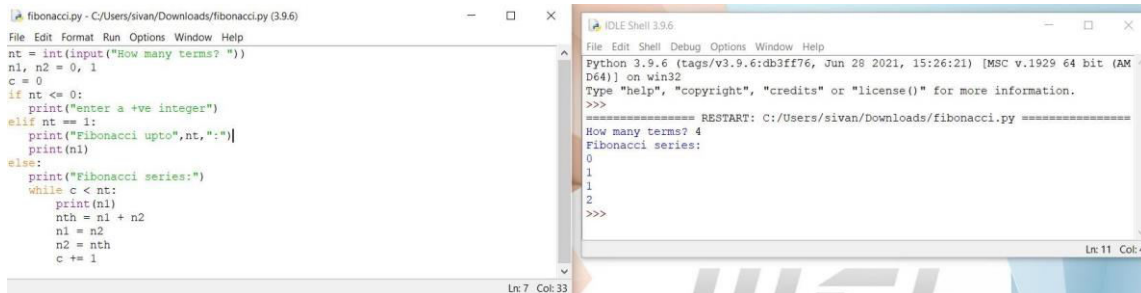
Question-4:

Write a Python program to generate Fibonacci series.

Solution :
```python
nt = int(input("How many terms? "))
n1, n2 = 0, 1
c = 0
if nt <= 0:
    print("enter a +ve integer")
elif nt == 1:
    print("Fibonacci upto",nt,":")
    print(n1)
else:
    print("Fibonacci series:")
    while c < nt:
        print(n1)
        nth = n1 + n2
        n1 = n2
        n2 = nth
        c += 1
```