Assignment -4

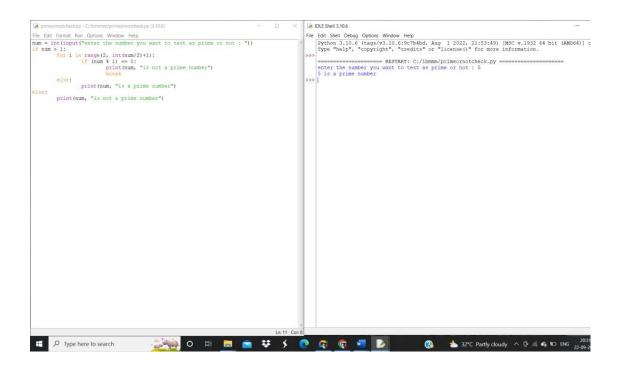
Python Programming

Assignment Date	19 September 2022
Student Name	Ms. Subasri.D.R
Student Roll Number	820419104073
Maximum Marks	2 Marks

Question-1:

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

Solution:

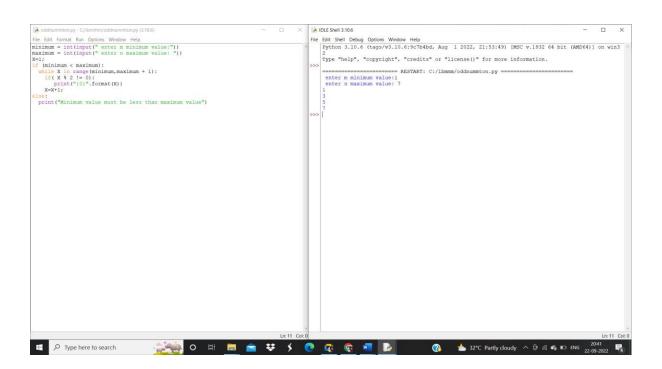


Question-2:

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

Solution:

```
minimum = int(input(" enter m minimum value:"))
maximum = int(input(" enter n maximum value: "))
X=1;
if (minimum < maximum):
  while X in range(minimum,maximum + 1):
  if( X % 2 != 0):
    print("{0}".format(X))
    X=X+1;
else:
  print("Minimum value must be less than maximum value")</pre>
```



Question-3:

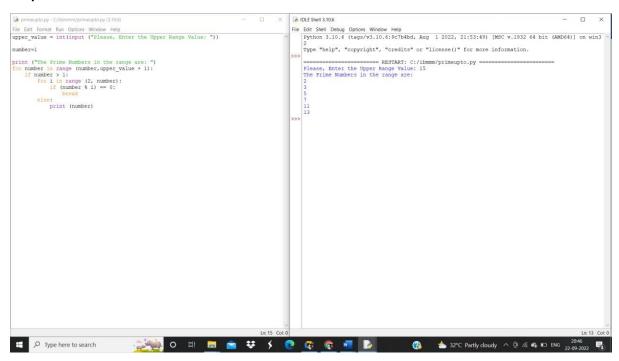
Write a python program to display prime number series upto a given number

Solution:

```
upper_value = int(input ("Please, Enter the Upper Range Value: "))
number=1

print ("The Prime Numbers in the range are: ")
for number in range (number,upper_value + 1):
    if number > 1:
        for i in range (2, number):
        if (number % i) == 0:
            break
        else:
            print (number)
```

output:



Question-4:

Write a python program to generate Fibonacci series

Solution:

```
n_terms = int(input ("How many terms the user wants to print?"))
n_1 = 0
n_2 = 1
count = 0
if n terms <= 0:
  print ("Please enter a positive integer, the given number is not valid")
elif n terms == 1:
  print ("The Fibonacci sequence of the numbers up to", n_terms, ": ")
  print(n_1)
else:
  print ("The fibonacci sequence of the numbers is:")
  while count < n_terms:
    print(n_1)
    nth = n_1 + n_2
    n_1 = n_2
    n_2 = nth
    count += 1
```

