Assignment -4

Python Programming

Assignment Date	19 September 2022
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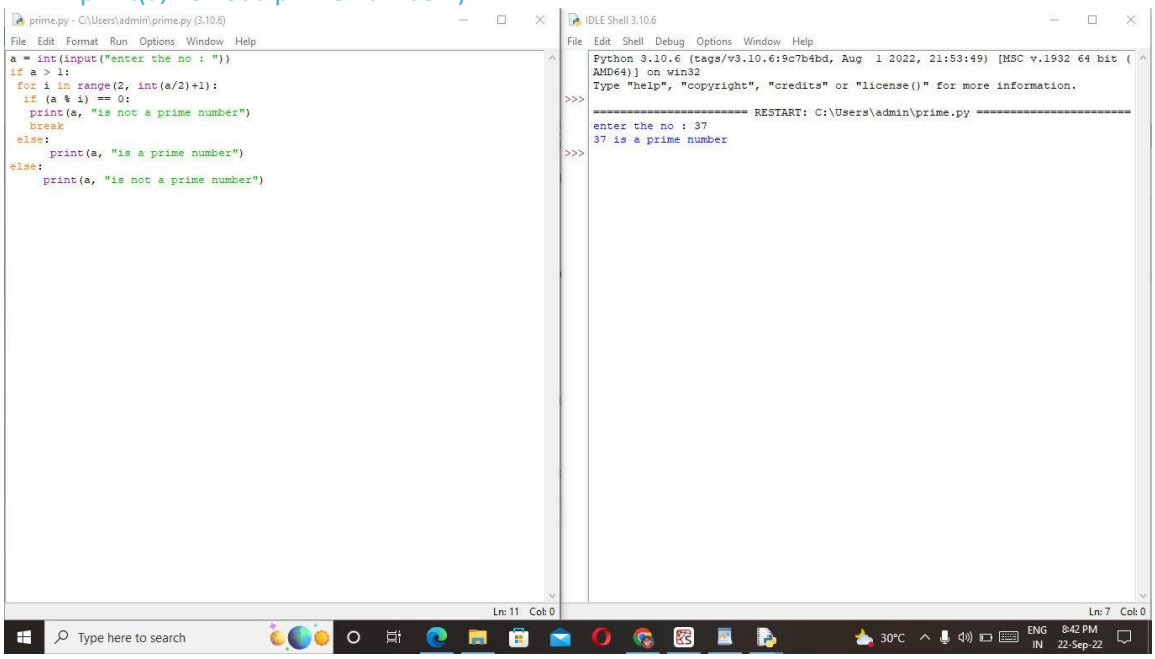
Student Roll Number	820419104037
Maximum Marks	2 Marks

Question-1:

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

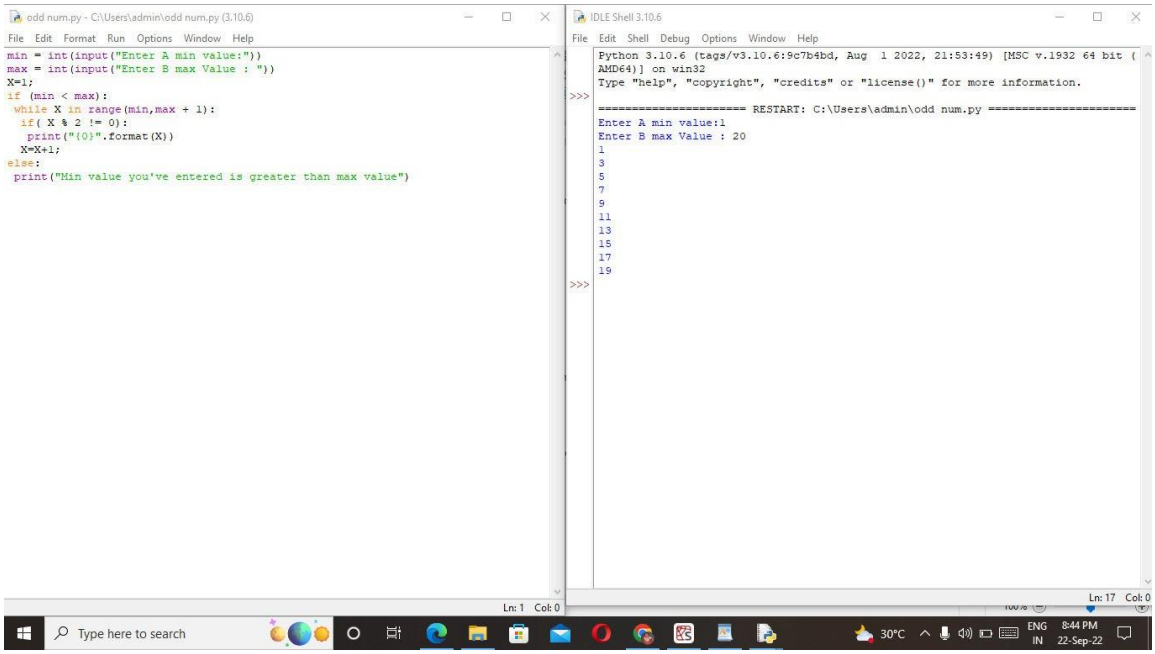
```
a = int(input("enter the no : "))
if a > 1:
  for i in range(2, int(a/2)+1):
    if (a % i) == 0:
      print(a, "is not a prime number")
      break
  else:
          print(a, "is a prime number")
else:
        print(a, "is not a prime number")
```



Question-2:

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

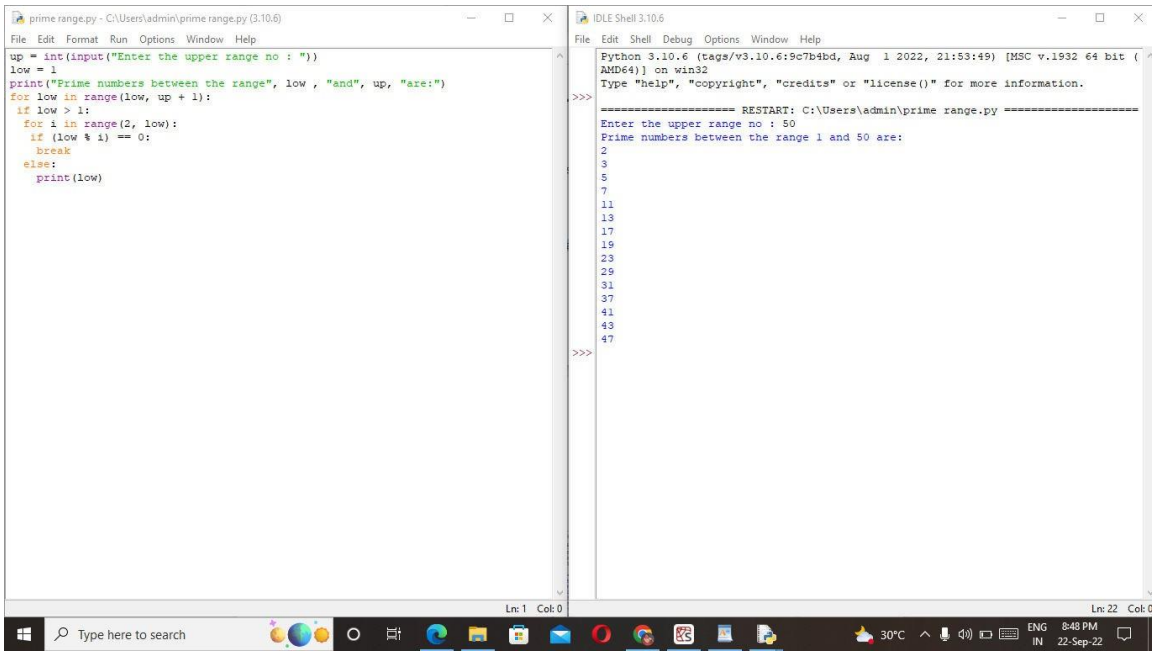
```
min = int(input("Enter A min value:"))
max = int(input("Enter B max Value : "))
X=1;
if (min < max):
  while X in range(min,max + 1):
    if( X % 2 != 0):
      print("{0}".format(X))
    X=X+1;
else:
  print("Min value you've entered is greater than max value")
```



Question-3:

Write a python program to display prime number series up to given number.

```
up = int(input("Enter the upper range no : "))
low = 1
print("Prime numbers between the range",low,"and", up, "are:")
for low in range(low, up + 1):
  if low > 1:
    for i in range(2, low):
      if (low % i) == 0:
        break
    else:
        print(low)
```



Question-4:

Write a python program to generate Fibonacci series

```
num = int(input ("How many terms want to print? "))
num1= 0
num2= 1
count = 0
if num <= 0:
    print ("The given no is not valid,please enter +ve integer")
elif num == 1:
    print ("The Fibonacci sequence of the numbers up to", num, ": ")
    print(num1)
else:
    print ("The fibonacci sequence of the no is:")
    while count < num:
        print(num1)
        nth = num1 + num2
        num1= num2
        num2= nth
        count += 1
```