### Assignment -4

# **Python Programming**

Assignment Date	19 September 2022
Student Name	I.Mukil
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")
The Edit Format Run Options Window Help
a "int(input("enter the no: "))
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 not a prime number")
else:
print(a, "is not a prime number")
                                                                                                                  File Edit Shell Debug Options Window Help

Python 3.10.6 (tagg/v3.10.6:sc7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit ( / AMD64)] on win32

Type "Melp", "copyright", "credits" or "license()" for more information.
                                                                                                                                                   === RESTART: C:\Users\admin\prime.py
       print(a, "is not a prime number")
```

· 🖹 🙀 🕖

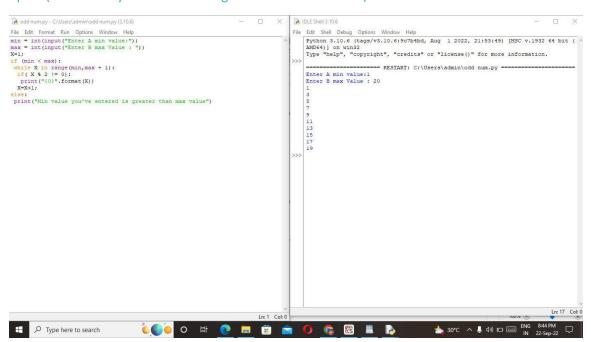
### Question-2:

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;</pre>
```

else:

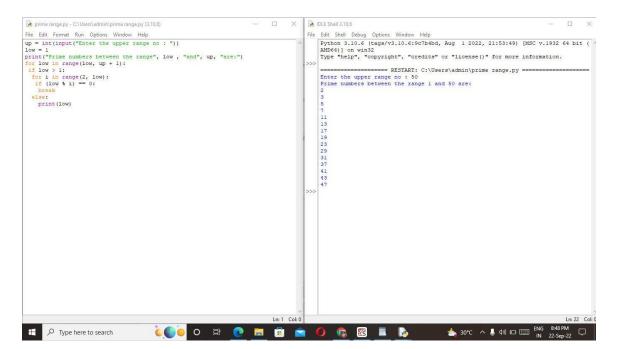
print("Min value you've entered is greater than max value")



# 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
 ibonacci.py - C:\Users\admin\fibonacci.py (3.10.6)
                                                                                                                                                                                                        The Edit Formst Run Options Window Help

num = int(input ("How many terms want to print? "))

num2 = 1

count = 0

print ("The given no is not valid, please enter +ve integer")

elif num = 1:

print ("The fibonacoi sequence of the numbers up to", num, ": ")

print ("The fibonacoi sequence of the numbers up to", num, ": ")

else:

print ("The fibonacoi sequence of the no is:")
                                                                                                        File Edit Shell Debug Options Window Help

Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit ( ^AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.
                                                                                                            How many terms want to print? 20
The fibonacci sequence of the no is:
     e:
print ("The fibonacci sequence of the no is:")
while count < num:
print (num1)
nth = num1 + num2
num1= num2
num2= nth
count += 1
```

🍇 🌍 o 🛱 👩 🔚 🖀 🙍 🚺 🔞 🔀

Type here to search