Assignment -1

Python Programming

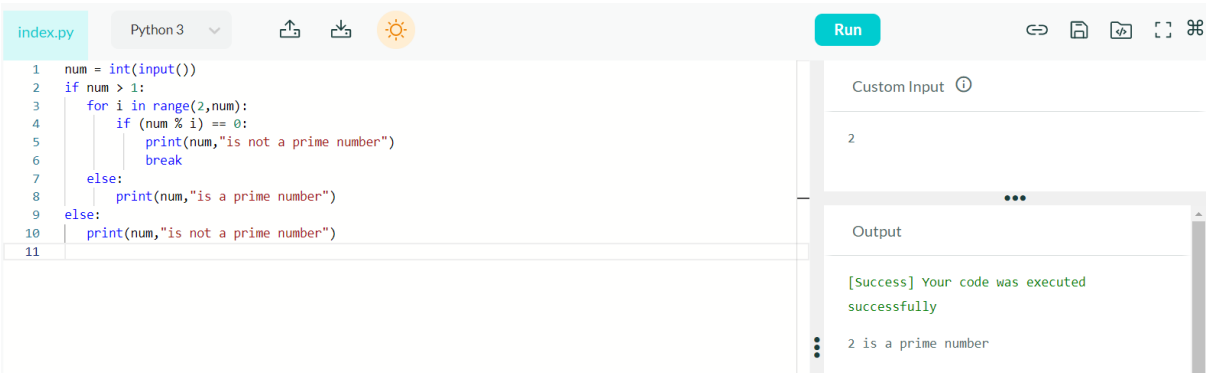
Assignment Date	19 September 2022
Student Name	Mr. SANJITH
Student Roll Number	711319CS159
Maximum Marks	2 Marks

Question-1:

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

Solution:

```
num = int(input())
if num > 1:
  for i in range(2,num):
    if (num % i) == 0:
                print(num,"is not a prime
                                    number")
      break
  else:
    print(num,"is a prime number")
```



Question-2:

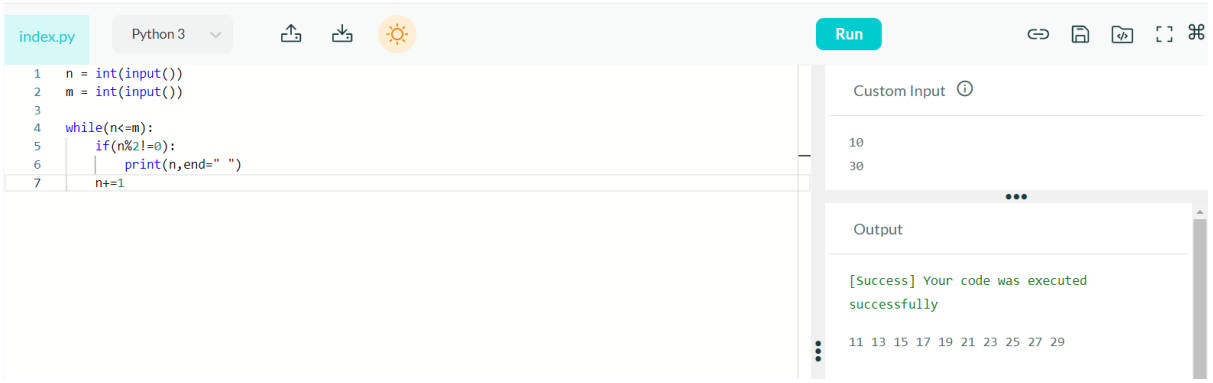
Write a program to generate odd numbers from m to n using a while loop.

Solution:

```
n = int(input())
m = int(input())

while(n<=m):
        if(n%2!=0):
    print(n,end=" ")
  n+=1
```

```
n = int(input())
```

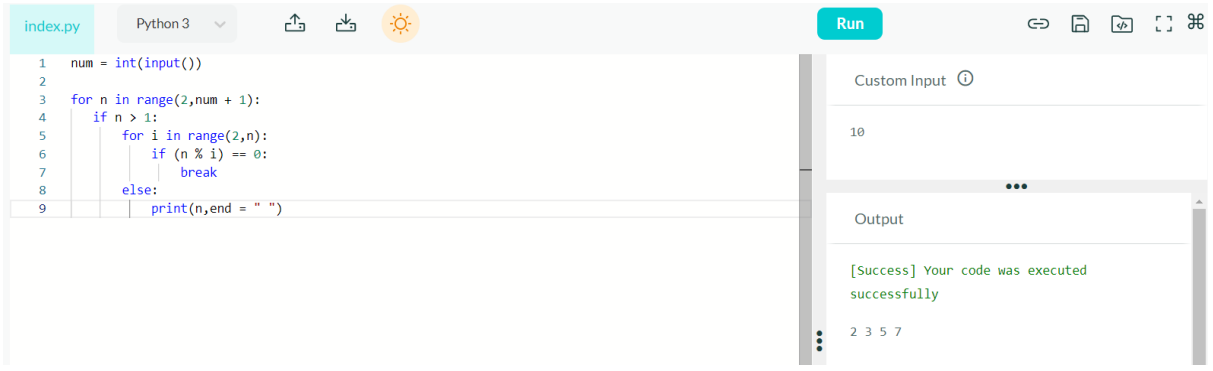


Question-3:

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

Solution:

```
num = int(input())
for n in range(2,num + 1):
  if n > 1:
     for i in range(2,n):
        if (n % i) == 0:
           break
     else:
        print(n,end = " ")
```



Question-4:

Write a Python program to generate Fibonacci series.

Solution:

```
n = int(input())
a = 0
b = 1
sum = 0
count = 1
while(count <= n):
  print(sum, end = " ")
  count += 1
  a = b
  b = sum
  sum = a + b
```