# Assignment -1

# **Python Programming**

Assignment Date	19 September 2022
Student Name	Mr. Sutharsan S
Student Roll Number	711319CS164
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 while loop.

## **Solution:**

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

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

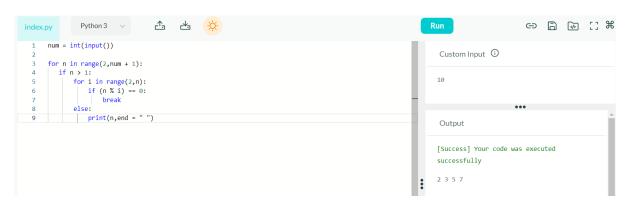


## Question-3:

Write a Python program to display prime number series up to 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</pre>
```

