# Assignment -1

# **Python Programming**

Assignment Date	19 September 2022
Student Name	Shanmugasundaram M
Student Roll Number	711319CS147
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>
```

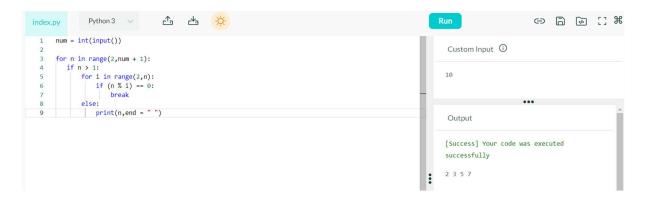


## Question-3:

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>
```

