## Assignment -1

## **Python Programming**

Assignment Date	19 September 2022
Student Name	Mr. Dharani Vijay L
Student Roll Number	711319CS031
Maximum Marks	2 Marks

## Question-1:

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

#### **Solution:**

```
i num = int(appr())
2-if num > 1:
3- for i an range(2,num):
4- if (num i) == 0:
5- else:
7- else:
9 print(num,"is a prime number")
10

5 is a prime number

... Program finished with exit code 0

Press Entern to exit console
```

## 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):</pre>
```

```
print(n,end=" ")
n+=1
```

## 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>
```