**Assignment -1**
Python Programming

| Assignment Date | 19 September 2022 |
|---|---|
| Student Name | Mr. Dejesh Raaj GB |
| Student Roll Number | 711319CS026 |
| Maximum Marks | 2 Marks |

**Question-1:**

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

**Solution:**

```python
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:**

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

while(n<=m):
        if(n%2!=0):
```

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

```
1  n = int(input())
2  m = int(input())
3
4
5  while(n<=m):
6      if(n%2!=0):
7          print(n,end=" ")
8      n+=1
9
10  |
```

## Question-3:

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

## Solution:

```python
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 = " ")
```

```
1  num = int(input())
2  for n in range(2,num + 1):
3      if n > 1:
4          for i in range(2,n):
5              if (n % i) == 0:
6                  break
7          else:
8              print(n,end = " ")
9  |
```

**Question-4:**

Write a Python program to generate Fibonacci series.

**Solution:**

```python
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
```

```
1  n = int(input())
2  a = 0
3  b = 1
4  sum = 0
5  count = 1
6  while(count <= n):
7    print(sum, end = " ")
8    count += 1
9    a = b
10   b = sum
11   sum = a + b
12
```

```
                                                 input
10
0 1 1 2 3 5 8 13 21 34

...Program finished with exit code 0
Press ENTER to exit console.
```