

Assignment-1

Project Domain	Cloud Application Development
Project Title	News Tracker Application
Team ID	PNT2022TMID44401
Name	KISHORE S
Roll No	731119205016
Date	19th Sept 2022

Questions:

- Program 1: Write a program to test a given number is prime or not.
- Program 2: Write a program to generate odd numbers from m to n using while loop
- Program 3: Write a python program to display prime number series up to given number
- Program 4: Write a python program to generate Fibonacci series

Answers:

Program 1: Write a program to test a given number is prime or not.

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

Enter a number:10

10 is not a prime number.

Program 2: Write a program to generate odd numbers from m to n using while loop

```
num=0
start=int(input("Enter the starting number:"))
end=int(input("Enter the ending number:"))
print("Odd numbers between ",start," and ",end," are:")
for num in range(start,end+1):
    if num % 2!=0:
        print(num)
```

Enter the starting number:1

Enter the ending number:5

Odd numbers between 1 and 5 are:

1

3

5

Program 3: Write a python program to display prime number series up to given number

```
#Display prime number series up to given
number def prime(num):
    for i in range(2,num):
        if num%i==0:
            return False
    return True
number = int(input("Enter a number upto which the series of prime
numbers to be displayed: "))
for i in range(2,number+1):
    if(prime(i)):
        print("\nThe given number ",i," is prime.")
    else:
        print("\nThe given number ",i," is not a prime.")
```

Enter a number upto which the series of prime numbers to be displayed:10 The given number 2 is prime.

The given number 3 is prime.

The given number 4 is not a prime.

The given number 5 is prime.

The given number 6 is not a prime.

The given number 7 is prime.

The given number 8 is not a prime.

The given number 9 is not a prime.

The given number 10 is not a prime.

Program 4: Write a python program to generate Fibonacci series

```
#Generate fibonacci series
n1=0
n2=1
n3=1
number=int(input("Enter the length of Fibonacci
series:"))
print(n1)
print(n2)
print(n3) for i in range(number-3):
n1=n2
n2=n3
n3=n1+n2
print(n3)
```

Enter the length of fibonacci series:6

0
1
1
2
3
5