CAD ASSIGNMENT 1

Program 1.write a python program to test the given is prine or not ?

```
# Program to check if a number is prime or not

Num1 = int(input("Enter a number :"))



if num1 > 1:

    for i in range(2, num1):
        if (num1 % i) == 0:

            print(num1, "is not a prime number")
            break;
        else:
            print(num1, "is a prime number")
            break;
```

Program 2.write a python program to generate odd numbers from mto n using while loop ?

```
maxi = int(input("    Enter the    Value : "))
```

```
num1 = int(input("Enter a Value: "))
a=max(num1,maxi)
print(a)
b=mini(num1,maxi)
print(b)
print("the odd number between",a,"and",b,"is")


while b<=a:
    if(b % 2 != 0):
        print("{0}".format(b))
    b += 1
```

Program 3.write a python program to display prime number series upto given number?

```
# Python program to display all the prime numbers within an interval


low = int(input("Enter a value:"))
up = int(input("Enter a value:"))
c=maxi(up,low)
print(a)
b=mini(up,low)
print(b)
```

```
print("Prime numbers between",b, "and",a, "are:")


for num in range(b, a + 1):
    # all prime numbers are greater than 1
    if num1 > 1:
        for i in range(2, num1):
            if (num1 % i) == 0:
                break
        else:
            print(num1)
```

Program 4.write a python program to generate fibonacci series?

```
num1=int(input("Enter a value:"))
a=0
b=1
print("fibonacci series:",a,b, end=" ")
for i in range(2,num1):
    c=a+b
    a=b
    b=c
    print(f3,end=" ")
print()
```