# ASSIGNMENT1

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1.python program for number is prime or not.

```
num = int(input("Enter a number: "))
flag = False if num > 1:
      for i in range(2,
       num): if (num % i)
       == 0: flag = True
       break
if flag:
   print(num, "is not a prime number")
else:
   print(num, "is a prime number") output:
```

Enter a number: 56

56 is not a prime number

2.Python Program to Print Odd Numbers from N to M

```
maximum = int(input(" Please Enter the Maximum Value : "))
n = int(input(" enter n value: "))
number = n while number
<= maximum: if(number %
2 != 0):
       print("{0}".format(number))
   number = number + 1
```

output:

Please Enter the Maximum Value : 8

enter n value: 1

1

3

5

7

3.python program to display prime numbers series up to given number

```
min = int(input("Enter the min : ")) max = int(input("Enter the max : "))
for n in range(min,max + 1):
   if n > 1:
      for i in range(2,n):
         if (n % i) == 0:
            break
      else:
print(n) output:
```

Enter the min : 1

Enter the max : 10

2

3

5

7

4.Program to display the Fibonacci sequence up to n-th term

```
nterms = int(input("How many terms? ")) n1, n2 = 0, 1 count
= 0 if nterms <= 0: print("Please enter a positive integer")
elif nterms == 1:
  print("Fibonacci sequence upto",nterms,":")
print(n1) else:
  print("Fibonacci sequence:")
  while count < nterms:
      print(n1)
      nth = n1 +
      n2 n1 = n2
      n2 = nth
      count += 1
```

output:

How many terms? 4

Fibonacci sequence:

0

1

1

2