ASSIGNMENT1

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1.python program for number is prime or not.

```python
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: 67

67 is not a prime number

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

```python
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 : 3

 enter n value: 1

1

3

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

```python
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 : 6

Enter the max : 9

7

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

```python
nterms = int(input("How many terms? "))

n1, n2 = 0, 1

count = 0

if nterms <= 0:
```

```python
    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? 5

Fibonacci sequence:

0