
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

