
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

