Q.Write a Python program to get the Fibonacci series between 0 to 50

Note : The Fibonacci Sequence is the series of numbers :

0, 1, 1, 2, 3, 5, 8, 13, 21, ...

Every next number is found by adding up the two numbers before it.

Expected Output : 1 1 2 3 5 8 13 21 34

```python
In [1]: n_terms = int(input("enter number of terms"))

n1 = 0
n2 = 1
i = 0

if n_terms <= 0:
    print("Enter a positive number")

elif n_terms == 1:
    print(n1)

else:
    while (i < n_terms):
        print(n1)
        c = n1 + n2
        n1 = n2
        n2 = c
        i += 1
```

```
enter number of terms10
0
1
1
2
3
5
8
13
21
34
```

Q.Write a Python program that accepts a word from the user and reverse it.

Sample Test Case

Input : Edyoda

output: adoydE

```python
In [2]: def is_reverse (s):
            return s[::-1]
        is_reverse(s="Edyoda")
```

```
Out[2]: 'adoydE'
```

Q.Write a Python program to count the number of even and odd numbers from a series of numbers.

Sample numbers : numbers = (1, 2, 3, 4, 5, 6, 7, 8, 9)

Expected Output :

Number of even numbers : 4

Number of odd numbers : 5

```python
In [3]: number = (1,2,3,4,5,6,7,8,9)

count_odd = 0
count_even = 0

for i in number:
    if not i%2 :
        count_even += 1
    else:
        count_odd += 1

print("even list :" , count_even)
print("odd list :" ,count_odd)
```

```
even list : 4
odd list : 5
```

```
In [ ]:
```