

```
In [1]: x=0  
        y=1  
        z=x+y
```

```
In [5]: n = int(print("enter limit for Fib. series"))  
  
        enter limit for Fib. series
```

```
In [6]: 44
```

```
Out[6]: 44
```

```
In [7]: 1
```

```
Out[7]: 1
```

```
In [20]: n=11  
        def fibonacci(n):  
            a = 0  
            b = 1  
            if n < 0:  
                print("Incorrect input")  
            elif n == 0:  
                return a  
            elif n == 1:  
                return b  
            else:  
                for i in range(2,n):  
                    c = a + b  
                    a = b  
                    b = c  
                return b
```

```
In [22]: print(fibonacci(n))  
  
        55
```

```
In [23]: nums = [1, 2, 3, 4, 5]  
  
        print(nums[0])  
        print(nums[-1])  
        print(nums)  
  
        1  
        5  
        [1, 2, 3, 4, 5]
```

```
In [26]: #add elements to list  
        list1=[1,2,3]  
        list2=[3.2,4.0]  
        list1.append(4)
```

In [27]: `print(list1)`

[1, 2, 3, 4]

In [10]: `list2=[3.2,4.0]`
`list2.extend('2.5')`
`print(list2)`

[3.2, 4.0, '2', '.', '5']

In [27]: `list3=["sum"]`
`list3.append("add")`

In [28]: `print(list3)`

['sum', 'add']

In [0]:

In [0]: