1.Calculate square of all numbers between 0-10 using list comprehensions

```
In [1]: Square=[x**2 for x in range(10)]

In [2]: Square
Out[2]: [0, 1, 4, 9, 16, 25, 36, 49, 64, 81]
```

2. Multiply whole list by 10

```
In [4]:
    x=[1,2,3,4,5,6,7,8,9]
    y=[i*10 for i in x]
    print(y)

[10, 20, 30, 40, 50, 60, 70, 80, 90]
```

3.Extract numbers from a string using list comprehension

```
In [10]:
    x = "iam 29 years old and born on 21 december 1992"
    print(x)
    numbers = [int(i) for i in x.split() if i.isdigit()]
    print(numbers)

iam 29 years old and born on 21 december 1992
[29, 21, 1992]
```

4. Write the program to remove the duplicate element of the list.

5. Write a program to find the sum of the element in the list.

```
In [13]:
    tot=0
    l=[1,2,3,4,5,6]
    for i in range(0,len(1)):
        tot=tot+1[i]
    print(tot)
```

6. Write the program to find the lists consist of at least one common element.

In []:

False False