



## List Questions

**Q1.** ISBN-10 identifiers are ten digits long. The first nine characters are digits 0-9. The last digit can be 0-9 or X, to indicate a value of 10. An ISBN-10 number is valid if the sum of the digits multiplied by their position modulo 11 equals zero.

**For example:**

ISBN : 1 1 1 2 2 2 3 3 3 9  
position : 1 2 3 4 5 6 7 8 9 10  
This is a valid ISBN, because:

$$(1*1 + 1*2 + 1*3 + 2*4 + 2*5 + 2*6 + 3*7 + 3*8 + 3*9 + 9*10) \% 11 = 0$$

### Examples

1112223339 --> true  
111222333 --> false

In [ ]:

**Q2.** Write python Program to find sum of list.

Example:

input:

```
x = [2,3,4,5,6,7,8,5,4]
```

output:

```
44
```

In [ ]:

**Q3.** Write python Program to find index wise sum of two list.

**Example:**

input:

```
x = [2,3,4,5,6,7,8,5,4]
y = [5,4,3,3,4,5,6,6,8]
```

output:

```
[7, 7, 7, 8, 10, 12, 14, 11, 12]
```

In [ ]:

**Q4.** Write python Program to find sum of all number from list.

**Example:**

input:

```
x = [2,3,4,'23','A',5,6,'B',7,'6',8,'9',5,4]
```

output:

```
82
```

In [ ]:

**Q5** Write Python Program to find maximum,minimum values from list.

**Example:**

Input:

```
num = [2,3,4,5,6,76,7,4]
```

Output:

```
minimum: 2  
maximum: 76
```

In [ ]:

**Q6** Write Python Program to find maximum,minimum values from list.

**Example:**

Input:

```
num = [2,3,4,'A',5,6,'B',76,'Py',7,4,45]
```

Output:

```
minimum: 2  
maximum: 76
```

In [ ]:

**Q7** Write Python Program to find Sort values from list.

**Example:**

Input:

```
num = [2,3,4,'A',5,6,'B',76,'Py',7,4,45]
```

Output:

```
[2, 3, 4, 5, 6, 76, 7, 4]
```

In [ ]:

**Q8.** Write the python program to find duplicate values from list.

**Example**

**Input:**

```
num = [3,4,5,6,7,6,54,'Hello',45j,4.3,'Hello','3',7]
```

**Output:**

```
[3,6,7,'Hello']
```

In [ ]:

