```
>>> lista1 = []
>>> lista2 = ["a",1,True]
```

Tipo de datos secuencia: listas

Operadores

```
lista = [1,2,3,4,5,6]
```

Recorrido

```
>>> for num in lista:
  ...   print(num,end="")
  123456

>>> lista2 = ["a","b","c","d","e"]
>>> for num,letra in zip(lista,lista2):
...   print(num,letra)
1 a
2 b
...
```

Operadores de pertenencia

```
>>> 2 in lista
True
>>> 8 not in lista
True
```

Concatenación (+)

```
>>> lista + [7,8,9]
[1, 2, 3, 4, 5, 6, 7, 8, 9]
```

Repeteción (*)

```
>>> lista * 2
[1, 2, 3, 4, 5, 6, 1, 2, 3, 4, 5, 6]
```

Indexación

```
>>> lista[3]
4

>>> lista1[12]
...
  IndexError: list index out of range

>>> lista[-1]
  6
```

Tipo de datos secuencia: listas

Operadores

Slice

```
>>> lista[2:4]
[3, 4]
>>> lista[1:4:2]
[2, 4]
>>> lista[:5]
[1, 2, 3, 4, 5]
>>> lista[5:]
[6, 1, 2, 3, 4, 5, 6]
>>> lista[::-1]
[6, 5, 4, 3, 2, 1, 6, 5, 4, 3, 2, 1]
```

Listas multidimensionales

```
>>> tabla = [[1,2,3],[4,5,6],[7,8,9]]
>>> tabla[1][1]
5

>>> for fila in tabla:
...  for elem in fila:
...      print(elem,end="")
...   print()
```

Funciones

```
>>> lista1 = [20,40,10,40,50]
>>> len(lista1)
5

>>> max(lista1)
50

>>> min(lista1)
10

>>> sum(lista1)
150

>>> sorted(lista1)
[10, 20, 30, 40, 50]

>>> sorted(lista1,reverse=True)
[50, 40, 30, 20, 10]
```