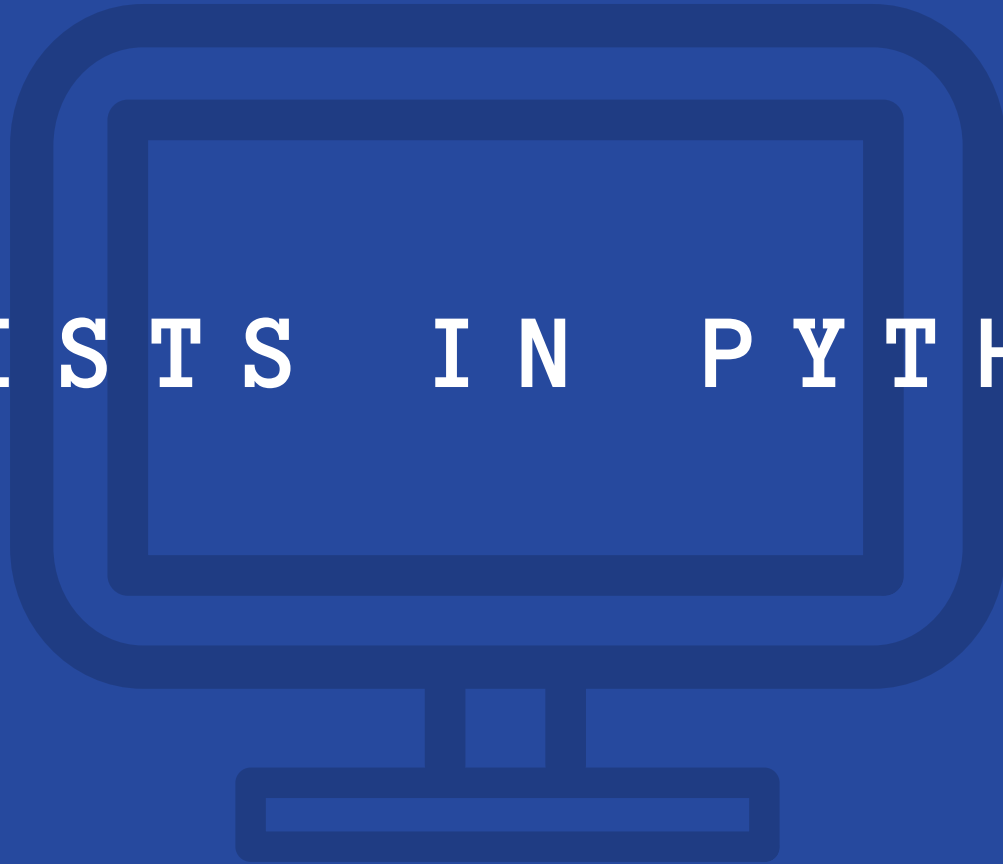# LISTS IN PYTHON

WHAT IS A LIST IN PYTHON?

- Lists are like the arrays.
- An ordered collection of data.
- Very flexible as the items in a list do not need to be of the same type.

```python
# Creating a List
List = []
print("Blank List: ")
print(List)

# Creating a List of numbers
List = [10, 20, 14]
print("\nList of numbers: ")
print(List)
```

```python
cars = ["bmw", "tesla", "ford"]
print("cars Items: ")
print(cars[0])
print(cars[2])


cars = ["bmw", "tesla", "ford"]
print("cars Items: ")
print(cars[-1])
print(cars[-2])
```

SLICING THE LIST

```python
cars = ["bmw", "tesla", "ford"]
print(cars[0:2])#'bmw','tesla'
print(cars[0:])#prints all

cars = [1,2,3,4,5]
print(cars[2:4]) #3,4
print(cars[:3]) #1,2,3
```

SOME METHODS OF LIST

(the ancient times)

append() — Adds an item to the list

pop() — deletes an item by index

remove() — removes an item by value

len() — gives the length of the list

THANK YOU!