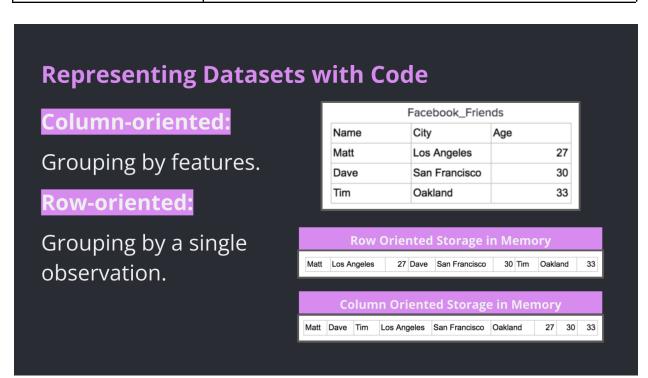
TYPE	Fun Fact
List	Ordered, changeable, duplicates allowed
Dictionary	Ordered, changeable, duplicates allowed
Set	Unordered, unchangeable*, duplicates not allowed
Tuple	Unordered, unchangeable, duplicates allowed



# Indexing

In order to access values in a collection type, we need to **index** into it.

- <u>List</u>
- <u>Set</u>
- <u>Dictionary</u>
- <u>Tuple</u>

Туре	Indexing Pattern
List	name[index]
Dictionary	name[key]
Set	For Loop (next slide)
Tuple	name[index]

#### **Iteration**

You can repeat processes with loops or recursion in Python.

Python Loop Types:

- While Loop
- For Loop

while condition: statements

for thing in collection: statements

### **Useful Methods**

## **Dictionaries:**

- values()len()
- items()
- keys()

#### Lists:

- append()
- sort()

## **Other:**

- range()
- print()
- split()
- type()
- int()
- str()