COLLECTIONS

lists

```
fruits = ["apple", "banana", "cherry"]
```

```python
fruits = ["apple", "banana", "cherry"]

fruits[0]    # apple
```

```
fruits =  ["apple", "banana", "cherry"]

fruits[0]    # apple

fruits[1]    # banana
```

```python
fruits = ["apple", "banana", "cherry"]
fruits[0]    # apple
fruits[1]    # banana
fruits[2]    # cherry
```

```python
fruits = ["apple", "banana", "cherry"]

fruits[0]     # apple

fruits[1]     # banana

fruits[2]     # cherry

fruits[1:2]   # ["banana", "cherry"]
```

list operations

```python
fruits.append("grape")
```

```python
fruits.append("grape")

fruits.insert(1, "strawberry")
```

```python
fruits.append("grape")
fruits.insert(1, "strawberry")
fruits.pop()
```

```python
fruits.append("grape")

fruits.insert(1, "strawberry")

fruits.pop()

len(fruits)
```

```python
fruits.append("grape")
fruits.insert(1, "strawberry")
fruits.pop()
len(fruits)


for fruit in fruits:
    print(fruit)  # print every fruit
```