DAY-10 !

keep calm,
wear mask&,
and study hard

data structures and algorithms

built in data structures

GIVEN BY THE LANGUAGE ITSELF

LIST (ARRAYS)

It represents a collection of items.

We can have any item in the list.

It can contain hetrogenous objects

We define list using:
[ ] brackets

Demo Examples

We have many methods in list

len()

.append()

.extend()

.index()

min()

max()

A very important function

l.sort()

sorting example

```
prices = [238.11, 237.81, 238.91]
prices.sort()
print(prices)
```

cmp(ls1, ls2)

-1, 0, 1

```
stock_price_1 = [50.23]
stock_price_2 = [75.14]

print(cmp(stock_price_1, stock_price_2))
print(cmp(stock_price_1, stock_price_1))
print(cmp(stock_price_2, stock_price_1))
```

```
new_list = sorted(old_list)
```

ascending order

```
a = ("b", "g", "a", "d", "f", "c", "h", "e")
x = sorted(a)
print(x)
```

descending order

```
a = ["h", "b", "a", "c", "f", "d", "e", "g"]
x = sorted(a, reverse=True)
print(x)
```

THANK YOU