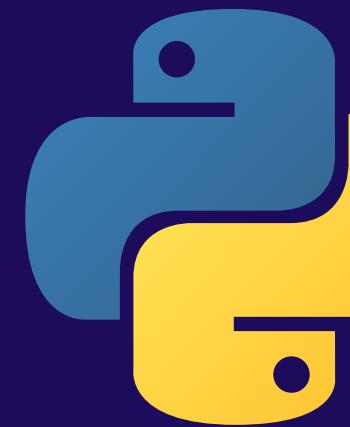




WELCOME TO
PYTHON CLASS
DAY 8



LISTS

A list in Python is a collection of items stored in a specific order.

**Lists are used to keep things
together, like a group of toys in a
toy box.**



MAGIC GIFTBOX

It's Story Time

lucky box - max



cave of wonders









Now Max giftbox box has
[red car, blue ball, yellow teddy bear].

```
# Create a list to represent the magic box  
magic_box = ["red car", "blue ball", "yellow teddy bear"]
```

```
# Print the contents of the magic box  
print(magic_box)
```

```
["red car", "blue ball", "yellow teddy bear"]
```

**Think of the square brackets as the sides of a
toy box. They keep all your toys (items)
together in one place.**

replace blue ball
with
green dinosaur







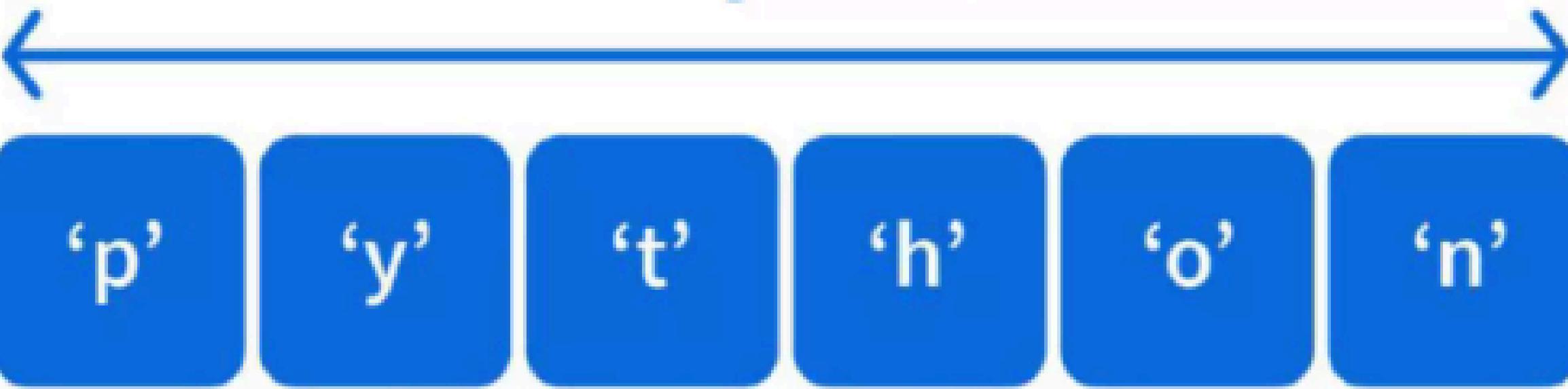
Now gift box looks like this:

[red car, green dinosaur, yellow teddy bear]

Your magic gift box is like a **list**! It keeps your toys
safe, and you can **add, remove, or change** them
whenever you like!



length = 6



index 0 1 2 3 4 5

python lists are 0-indexed. So the first element is 0, second is 1, third is 2, so on. So if there are n elements in a list, the last element is n-1.

```
magic_box = ["red car", "blue ball", "yellow teddy bear"]
```

Replace the blue ball with a green dinosaur

```
magic_box[1] = "green dinosaur"
```

```
print(magic_box)
```

```
[ "red car", "green dinosaur", "yellow teddy bear"]
```

```
magic_box = ["red car", "grey robot", "yellow teddy bear"]
```

```
#Add a new toy to the magic box
```

```
magic_box.append("pink doll")
```

```
magic_box.append("yellow pikachu")
```

```
print(magic_box)
```

```
["red car", "grey robot", "yellow teddy bear", "pink doll", "yellow pikachu"]
```

```
magic_box = ["red car", "grey robot", "yellow teddy bear"]
```

```
#Remove toy from the magic box
```

```
magic_box.remove("grey robot")
```

```
print(magic_box)
```

```
["red car", "yellow teddy bear", "pink doll", "yellow pikachu"]
```



I will ask you
questions



