QUIZ

How would you properly modify the list `interview_line` to replace `"Ben"` with `"Sarah"`

```
interview_line = ["Jess", "Noelle", "Ben", "Orlando"]
```

```
interview_line[ 2 ] = "Sarah"
```

You got it!

Which of the following is the correct way to create an empty list?

```
empty_list = {}
```

```
empty_list = [0]
```

```
empty_list = []
```

You got it!

Which of the following is the correct way to add the number `4` to `number_list`?

```
number_list + 4
```

```
number_list.append([4])
```

```
number_list.append(4)
```

You got it!

Is the following list a valid Python list?

```
mylist = ["Mount Everest", 29029]
```

Yes, lists can contain multiple data types.

You got it!

No, lists can only contain one data type.

The Python method `.remove()` will delete every instance of a provided value.

False

Correct! The `.remove()` method removes only the first matching element in a list.

True

How would you access `"77.45"` from the following list?

```
student_data = [["Ali", 90], ["Bob", 87.5], ["Cam", 80.3], ["Doug", 77.45]]
```

`student_data[0][0]`

`student_data[-1][-1]`

That's Correct! The first student_data[-1] will get the last element ["Doug", 77.45] and then the -1 index of that sublist returns 77.45

`student_data[2][1]`

`student_data[4][2]`

Define a two-dimensional list called `student_data` using the table below to represent student names and their respective quiz scores.

The order of elements should be ordered using the index in the table.

Element	Index
[“Olga”, 90]	0
[“Maksim”, 77.45]	1
[“Doug”, 80.3]	2
[“Sophie”, 87.45]	3

```
student_data = [ ["Olga", 90] , ["Maksim", 77.45] , ["Doug", 80.3] , ["Sophie", 87.45] ]
```

You got it!

Which of the following is the correct way to remove the first instance of “Rio” from `name_list`?

```
"Rio".remove(name_list)
```

```
name_list.remove([Rio])
```

```
name_list.remove("Rio")
```

What would be the proper way to access `"Strawberry"` from the list `groceries`

```
groceries = ["Grapes", "Strawberry", "Starfruit", "Apple"]
```

```
groceries["Strawberry"]
```

```
groceries[0][1]
```

```
groceries[2]
```

```
groceries[1]
```

👏 Great Job! This would properly access `"Strawberry"` from the `grocery` list.

Modify the two-dimensional list `student_hobbies` so that `"Samantha"` has the hobby of `"Football"` instead of `"Cricket"`.

```
student_hobbies = [["Nitaya", "Karate"], ["Samantha", "Cricket"], ["Noelle", "Painting"]]
```

```
student_hobbies [ 1 ][ 1 ] = "Football"
```

👏 You got it!

Which of the following is the correct way to turn the following into a list of names: `"Tom"`, `"Jerry"`, `"Tweetie"`, `"Sylvester"`?

```
names = "Tom", "Jerry", "Tweetie", "Sylvester"
```

```
names = {"Tom", "Jerry", 'Tweetie", "Sylvester"}
```

```
names = ["Tom"  "Jerry"  "Tweetie"  "Sylvester"]
```

```
names = ["Tom", "Jerry", "Tweetie", "Sylvester"]
```

A Python list has brackets (`[` and `]`) on either end and commas (`,`) between each item.