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Lab 6

Jan 30th

Task #1

Python and Java have numerous differences between a list & an array.

The first (obvious) one is that you can have any amount of data structures in a list. Something like

```
list = ["hi", 5, False]
```

is valid in Python. Where in Java, your array has to be of the same datatype.

The way that the lists & arrays are constructed is different too. With Python, you can simply name a variable (with no primitive data type like int, float, char) and assign a list to that using [] brackets. Where in Java, you have to first create a variable to hold that specific data type you wish to add in your array, and then use {} brackets

```
String[] names = {"Bob", "Jimmy", "Robert"};
```

above would be the Java code needed to store only one data type.

Some similarities are how you access the data in the structures. If you had a for loop iterating over the whole length of the array/list, you can access each element by using list[i] or names[i] where I would be a counter variable.

The structures also both have 0 indexing and the values are in each structure are mutable.