CSE 8A Programming Assignment 2

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Known Bugs or Issues:
If you have any known bugs or issues with your code, let us know here.

N/a

Questions:
In the code snippets A and B (shown in PA2), what will be the difference, if any, in the value of names1[0] and names1[1] ? Explain why there is or isn't a difference.

In python, you need to use the deep copy function in order to make changes to a list without the changes being applied to the original variable. All variables initialized with the original list will just be references to that variable and not unique immutable lists. So in both A and B, the 0th and 1st index of the original list are changed to Daisy and Elizabeth respectively, and all of the reference variables will show those changes if called.

What signifies the end of a statement block or suite in python? Explain with a small code. Avoid using code that was already written for this assignment.

A line of code that is indented less than the former lines, or just the complete end of the program

Ex.
```
x = 4

if x == 4:
    print("x is equal to four")
print("end of program")
```

The second print is indent 4 spaces less than the first, showing that the if block is over, after the second print, the program ends, indicating the complete end of the program.

What do you mean by concatenation in a list. Explain with an example.

Concatenation is the act of linking things together, in python if you want to link two lists together you can just use the '+' operator. The result will be a list containing the elements of both lists.

```python
names1 = ['a','b','c']
names2 = ['r','2','b']
print(names1 + names2)


// Console Prints:
['a', 'b', 'c', 'r', '2', 'b']
```