# Lab 2.04 - College Chooser

## 1. In your notebook

For each example below, predict what will be printed. Next, run the program and confirm what was output.

### Example 1

a = ['a', 'b', 'c', 'd', 'e']  
 print(a[0])  
 print(a[3])

### Example 2

a = ['a', 'b', 'c', 'd', 'e']  
 print(a[len(a) - 3])

### Example 3

a = ['a', 'b', 'c', 'd', 'e']  
 print(a[len(a) - 6])

### Example 4

a = ['a', 'b', 'c', 'd', 'e']  
 a[3] = 'haha'  
 print(a)

## 2. Create this game again using lists and indexes. Updated rules below

* Declare 10 prizes (prize0, prize1, prize2 at the top of your file), but store them all in a list.
* User picks a number.
* Print prize associated with the door user picked.

## 3. Create a quiz

Choose which college you should go to (or another topic of your choice) The program should ask the user a question and list five possible answers. If the student chooses the first answer, add 1 point to School[0]. If they choose the second answer add 1 point to School[1], and so on. At the end print out the schools and the scores for each school.

* Create a list of 5 options of colleges.
* Create a different list of five 0s, representing the user’s votes so far.
* Create 4 questions. Each question should have five different answers. Each answer corresponds to the specific school option.
* At the end print off the 5 different schools and the score the user got for each of those schools.

## Bonus

Research nested lists and work through the following:

### Bonus Example 1

a = ['a', 'b', 'c', ['d', 'e']]  
print(len(a))

### Bonus Example 2

a = ['a', 'b', 'c', ['d', 'e']]  
b = a[3]  
print(b)

### Bonus - In your Notebook

How would you access ‘d’ from the list a?