Do Now

Monday, June 8, 2015

**Reviewing: dictionaries, lists, CSVs**

1) Print the 3rd element of a list called dogs.

2) What is the output of the following code?

numbers = [ 1, 2, 3, 4]

colors = [ "green", "blue" ]

for color in colors:

for number in numbers:

print number, color

3) What command would you use to get the first 100 lines of data.csv, and save it into a new file named sample.csv?

*This is a view of the file* ***lists.csv****, used for the questions below*

|  |  |  |
| --- | --- | --- |
| **make** | **year** | **color** |
| Chevrolet | 2011 | black |
| Honda | 2010 | red |
| Honda | 2013 | black |
| Toyota | 2001 | gold |

4) What is missing from the lines below? (It isn't 100% necessary, but we use it for convenience)

file = open("lists.csv")

cars = csv.DictReader(file)

5) Write a for loop to **add up** all of the years. Save it to a variable called total.

6) I'd like a new list called favorites that includes all cars that are black or produced after 2010. Write a for loop to create this list.

***Tip:*** *You can join things in if statements using and and or, like n > 3 or name == "Peter"*