for x in d : x is a did

CSV file

More CSV File Processing

- Use the get_csv function to obtain a list of dictionaries.
- Make sure that you use the hierarchical breakdown to choose index or key
- (nested) for loop is useful to go through the data

Coding Challenge

d = [{a: 3, b: 5, c: pam/}

1. Write a function that takes in a list of dictionaries from a csv file, and returns the dimension of the file (i.e. number of rows and number of columns). The dimension should be returned as a tuple of 2 elements

```
def get_dim(data):
    from CSE8ACSV import *
    def get_dim(data):
        num_rows = len(data)
        num_cols = len(data[0])
        return (num_rows, num_cols)

d = get_csv('tech_diversity.csv')
    print(get_dim(d))
```

2. Write a function that takes in the data from tech_diversity.csv and calculate the average of people_of_color percentage for all the companies.

```
def people of color ave (data):

Var fr total

# of vows

Set the value for 'people of color (type cost to float)

do it to total

the from CSEBACSV import *

def people of color (data):

num_rows = len(data)

total = 0

for row in data:

total += float(row['people_of_color'])

return total/num_rows

d = get_csv('tech_diversity.csv')

print(people_of_color(dd))
```

3. Write a function that takes in the data from tech_diversity.csv and return the best company for each category.

The return value should be a dictionary with the format of category:company name. { 'hispanic': 'Apple', 'white: hoge', --- } def find best(data): stat w/ on empty dict for each key in the file: L How to handle 'company'
best Val = 0
deduce a company name variable for each you in data:

Sor each you in data:

get the value for the key (type cort)

get vol is bether than best Val:

best Val is chaped to Val

yewersher the company none

insert key corpany into did

yelan dict def find_best(data): result = {} for key in data[0]: if key == 'Company': continue bestVal = 0 company = '' for row in data: val = float(row[key]) if val > bestVal: bestVal = val company = row['Company'] result[key] = company return result d = get_csv('tech_diversity.csv')

print(find_best(d))