CS 160
CS Orientation

Lists/Arrays
Chap. 8
1-d Arrays, 2-d Arrays, and Tuples

• List vs. Matrix
• Tuple vs. List
• Combination of any...
Type "help", "copyright", "credits" or "license" for more information.

```python
>>> a = []
>>> a
[]
>>> a = [1, 2, 3]
>>> a
[1, 2, 3]
>>> t = ()
>>> t
()
>>> t = ("jennifer", 30, 5.5)
>>> t
('jennifer', 30, 5.5)
>>> a.append(t)
>>> a
[1, 2, 3, ('jennifer', 30, 5.5)]
>>> d = [[]]
>>> d
[[]]
>>> d = [[1, 2, 3], [3, 4, 5]]
>>> d
[[1, 2, 3], [3, 4, 5]]
>>> d.append(a)
>>> d
[[1, 2, 3], [3, 4, 5], [1, 2, 3, ('jennifer', 30, 5.5)]]
>>> a[2]
3
>>> d[0][0]
1
>>> d[2][3]
('jennifer', 30, 5.5)
>>> exit()
```
UNIX/Linux

- ls
- mkdir
- cp
- mv
- cd
- rm
- man
- vi/vim
Quiz #9...

- Get into groups of 4-5.
- Write the pseudocode and python code to solve the following problem:

  A company has 10 salespeople. The manager needs to know the average dollar amount of sales for each salesperson for a week, and the total dollar amount of sales for the store for each day and for the week. The store is open 7 days a week, and each salesperson gets 2 days off. The data are entered into a 2-d array with the days for the week as the columns and the salespeople as the rows. Fill and output the info needed by the manager.