Do Now

Monday, June 29, 2015

**Reviewing: functions, lists**

1) Write a function called is\_even that returns whether a value is even or not.

2) Add together the second and fourth members of the list below.

num = [4, 99, 32.0, 45.0, 2 ]

3) Count the number of Democrats that represent New York State in the Senate.

senators = [

{ 'name': 'Gillibrand', 'party': 'Democrat' },

{ 'name': 'Schumer', 'party': 'Democrat' }

]

*Tip: list comprehension + .count() method*

4a) Using the code below, make a list of all of the Supreme Court Justices' names.

justices = [{ 'name': 'Scalia', 'vote': 'dissent' }, { 'name': 'Kennedy', 'vote': 'majority' }, { 'name': 'Ginsburg', 'vote': 'majority' }, { 'name': 'Kagan', 'vote': 'majority' }, { 'name': 'Roberts', 'vote': 'dissent' }, { 'name': 'Alito', 'vote': 'dissent' }, { 'name': 'Thomas', 'vote': 'dissent' }, { 'name': 'Breyer', 'vote': 'majority' }, { 'name': 'Sotomayor', 'vote': 'majority' } ]

4b) Using a single list comprehension, list only the judges who sided with the majority opinion.