**Homework8**

Based on *homework7*, please find the count of the cities whose snowfall in a certain date range (start from 2012.01.01 to 2012.02.01) is smaller than 25. Additionally, cities’ elevation should be smaller than 30.

**NOTE:** Please pay attention to the data records -9999, we don’t need to find these kinds of data. The outcome should be stored in the variable *avg\_snowfall*.

**Here is the answer:**

**pipeline=[**

**{ ‘$match’:{‘$and’:[{“DATE”:{‘$gt’:20120101}},{“DATE”:{‘$lt’:20120201}}，{“ELEVATION”:{‘$lt’:30}},{“PRCP”:{‘$ne’:-9999}}]}},**

**{ ‘$group’:{‘\_id’:’$STATION\_NAME’, “avg\_snowfall”:{‘$avg’:’$SNWD’}}},**

**{ $match: { “avg\_snowfall”: { ‘$lt’: 250 } } }**

**{ ‘$group’:{‘\_id’:’\_id’, “count”:{‘$sum’:1}}}**

**]**

**cursor = temperature.aggregate(pipeline,cursor{})**

**print cursor**

**for item in cursor:**

**print item**