**Homework1**

We have already known this kind of SQL sentence:

**SELECT user\_id, status**

**FROM users**

**WHERE age > 25**

**AND age <= 50**

This sentence represent that we want to select all the users’ user\_id and status and these users’ ages are greater than 25 but smaller than or equal to 50. In MongoDB, we can make it in a different way.

**users.find(**

**{ age: { $gt: 25, $lte: 50 } }**

**{ user\_id: 1, status: 1, \_id: 0 }**

**)**

In this statement, users is the name of this collection. The find way can help us select what we want. The first brace is used to clarify the condition that the age should be greater than 25 but smaller than or equal to 50. The sign ’$gt’ means greater than and the sign ‘$lte’ means less than or equal to. In the second brace, the attributions that we want would be set to 1, otherwise 0.

We need to find records of the cities in a certain region that we choose, which means the cities must meet the condition that we set. The latitude, longitude and date should be in a range.

**NOTE:** The condition is the latitude is greater than Range[1] and less than Range[0], the longitude is greater than Range[3] and less than Range[2], and the date is greater than earliest and less than latest.

**Here is the answer:**

**temperature.find({"LATITUDE" : {'$gt': Range[1], '$lt': Range[0]},**

**"LONGITUDE" : {'$gt':Range[3], '$lt': Range[2]},**

**"DATE" : {'$gt': earliest, '$lt': latest}})**