Names: Jonathan Goins & Adrian Ornelas Ruvalcaba

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```

(1) How many restaurants are there in this collection?

25359

```
},
{
    date: ISODate("2013-11-14T00:00:00.
        grade: 'A',
        score: 2
},
{
    date: ISODate("2012-12-05T00:00:00.
        grade: 'A',
        score: 13
},
{
    date: ISODate("2012-05-17T00:00:00.
        grade: 'A',
        score: 11
}
],
name: 'The Movable Feast',
    restaurant_id: '40361606'
}
]
Type "it" for more
[new_mongo_db> db.restaurants.find().count()
25550
new_mongo_db>
```

(2) List in alphabetical order each different (distinct) cuisine represented in this collection.

```
'Middle Eastern',
'Moroccan',
'Not Listed/Not Applicable',
'Nuts/Confectionary',
'Other',
'Pakistani',
'Pancakes/Waffles',
'Peruvian',
'Pizza',
'Pizza/Italian',
'Polish',
'Pollish',
'Polynesian',
'Portuguese',
'Russian',
'Salads',
'Sandwiches',
'Sandwiches',
'Sandwiches',
'Soundinavian',
'Seafood',
'Soul Food',
'Soups & Sandwiches',
'Southwestern',
'Spanish',
'Steak',
'Tapas',
'Tex-Mex',
'Thai',
'Turkish',
'Vegetarian',
'Vietnamese/Cambodian/Malaysia'

1
new_mongo_db>
```

(3) Return the name of all restaurants within the zipcode 10023 which serve Italian cuisine. Return only the names of the restaurants.

(4) Which Borough has the most Greek restaurants? How many are there? Queens has the most with 58. In total there are 111

```
Type "it" for more
[new_mongo_db> db.restaurants.find({"cuisine": "Greek"},{"borough": 1}).count()
111
[new_mongo_db> db.restaurants.find({"cuisine": "Greek","borough": "Queens" },{"borough": 1}).coun
58
[new_mongo_db> db.restaurants.find({"cuisine": "Greek","borough": "Queens" }).count()
58
[new_mongo_db> db.restaurants.find({"cuisine": "Greek","borough": "Bronx" }).count()
4
[new_mongo_db> db.restaurants.find({"cuisine": "Greek","borough": "Brooklyn" }).count()
14
[new_mongo_db> db.restaurants.find({"cuisine": "Greek","borough": "Manhattan" }).count()
35
[new_mongo_db> db.restaurants.find({"cuisine": "Greek","borough": "Staten Island" }).count()
0
new_mongo_db>
```

(5) Return a list of restaurants (names) which have the string "Pho" in their name. ("Pho" is a wonderful and delicious Vietnamese noodle soup.)

```
[new_mongo_db> db.restaurants.find({ "name": { $regex: /pho/, $options: "i" } }, { "name": 1, _id: 0 }).pretty()
      { name: 'Phoenix Garden' },
{ name: 'Pho Bac Vietnamese Seafood Cuisine' },
      { name: 'Pho Hoai Bay Ridge' },
{ name: 'Pho Hoai Bay Ridge' },
{ name: 'Pho Bang Restaurant' },
  name: "Phoebe'S" },
{ name: 'Green Symphony' },
{ name: 'Pho 32 & Shabu' },
  name: 'Pho 32 & Shabu' },
}
      { name: 'Pho 32 & Shabu' },
{ name: 'Paphos Diner' },
{ name: 'Pho Bang Restaurant' },
{ name: 'Pho Viet-Nam Restaurant' },
{ name: 'Golden Phoenix' },
{ name: 'Pho Bang Restaurant' },
      { name: 'Pho Grand' },
{ name: 'Pho Vietnamese Restaurant' },
{ name: 'Baoguette Pho Sure' },
      { name: 'Pho Hoai Rest' },
{ name: 'International Center Of Photography' },
      { name: 'Pho Mac Vietnamese Cuisine' },
{ name: 'Phoenix' }
 Type "it" for more
  new_mongo_db> it
       { name: 'Tribeca Taphouse' },
      { name: 'Pho Hoang' }, { name: 'Mehtaphor' },
      { name: Mencapnor },
 name: 'Spice Symphony' },
 name: 'Pho Viet' },
 name: 'New Phoenix' },
 name: 'Euphoria Lounge' },
 name: 'Phoenix Park' },
      { name: 'Pho Tay Ho 86 Vietnamese Restaurant' },
{ name: 'Pho Seng' },
{ name: '8 Dragon & Phoenix Chinese Restaurant' },
     { name: '8 Dragon & Phoenix Chinese Resta
{ name: 'Cafe Euphoria' },
{ name: 'Phos & Banh Mi' },
{ name: 'Pho' },
{ name: "Jasper'S Taphouse & Kitchen" },
{ name: 'New Phoenix Palace' },
{ name: 'Pho Yietnam 87 Corporation' },
{ name: 'Pho Rainbow Inc' },
}
      { name: 'Hua Lumphong' }
 Type "it" for more
  new_mongo_db> it
                                   Thanh Hoai 1' }, { name: 'Pho Saigon' } ]
```

(6) Return a list of boroughs ranked by the number of Italian restaurants in the borough. That is, for each borough, find how many restaurants serve Italian cuisine and print the borough and the number of such restaurants sorted descending by this number. (HINT: use the aggregate Page 6 method, and use a \$group and a \$sum.)

(7) Find the top 5 Greek restaurants in Brooklyn that have the highest total score. Return for each restaurant the restaurant's name and the total score. (HINT: use the aggregate method with \$unwind to parse out the scores array, followed by a \$group and a \$sum.)

```
new_mongo_dob du_restaurants.aggregated([daston: (land: (Courough': "Breaklyn"),(Coustine": "Breaklyn"),(Sprough (ld: "Manne", totalScores: (Suns: "Sgrades.acore"))),(Sprint: (totalScores: -1)),(Sprint: (Sprint: Sprint: Sp
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