









































PART II: MongoDB




1. List the user names in decreasing order of average_stars

```
db['yelp Users']  
  .find({}, {name:1, average_stars:1})  
  .sort({average_stars:-1});
```

_id	name	average_stars
 58f3f82be33...	" " Jana	 5.0
 58f3f82be33...	" " Henna By	 5.0
 58f3f82be33...	" " Mann	 5.0
 58f3f82be33...	" " Alex	 5.0
 58f3f82be33...	" " Steve	 5.0
 58f3f82be33...	" " Debbie	 5.0
 58f3f82be33...	" " Msty	 5.0
 58f3f82be33...	" " T	 5.0
 58f3f82be33...	" " Alex	 5.0
 58f3f82be33...	" " Annie	 5.0
 58f3f82be33...	" " Kevin	 5.0
 58f3f82be33...	" " Kimberly	 5.0
 58f3f82be33...	" " Nikki	 5.0
 58f3f82be33...	" " Don	 5.0
 58f3f82be33...	" " Kelley	 5.0
 58f3f82be33...	" " crazy-ch	 5.0
 58f3f82be33...	" " Luvtotrvl	 5.0
 58f3f82be33...	" " Victoria	 5.0
 58f3f82be33...	" " Meredith	 5.0
 58f3f82be33...	" " Jill	 5.0

2. List the user name and review count of the user with the highest number of reviews

```
db['yelp Users']  
  .find({}, {name:1, review_count:1})  
  .sort({review_count: -1})  
  .limit(1);
```

_id	name	review_count
 58f3f82be33...	 Bruce	 7125




3. Which user has yelped for the longest time?

```
db['yelp Users']  
  .find({}, {name: 1, yelping_since:1})  
  .sort({yelping_since: 1})  
  .limit(1);
```

_id	name	yelping_since
 58f3f83de33...	 Jeff	 2004-10-12



4. List the user (and number of friends) with the most friends

```
db['yelp Users']  
  .aggregate([  
    {$project:{  
      name: 1,  
      Number_of_Friends: {$size: "$friends"}},  
    {$sort: {Number_of_friends: -1}},  
    {$limit: 1}  
  ]);
```

_id	name	Number_of_Friends
 58f3f82be33...	 melissa	 887

5. Which user has the most number of overall compliments?

```
db['yelp Users']  
  .aggregate([  
    {$project: {  
      name: 1,  
      overall: {$sum:  
        ["$compliment_hot",  
         "$compliment_more",  
         "$compliment_profile",  
         "$compliment_cute",  
         "$compliment_list",  
         "$compliment_note",  
         "$compliment_plain",  
         "$compliment_cool",  
         "$compliment_funny",  
         "$compliment_writer",  
         "$compliment_photos"]}}},  
    {$sort: {overall: -1}},  
    {$limit: 1}  
  ]);
```

_id	name	overall
 58f3f82be33...	 Toni	 64121