

Assignment 4 - Harnoor Rangi

1. Write a query to list the first and last names of all the male actors who are English or American in the alphabetical order of their first names.

```
db.actor.find({ }, {first:1, last:1}),  
( {gender: 'm', $or: [{nationality: 'english'}, {nationality: 'american'}] });
```

2. Write a query to determine the maximum height in the collection of actor.

```
db.actor.aggregate([  
  {  
    $group: { _id: null , max_height: {$max: "$height_cm" } }  
  }  
]);
```

3. Write a query to display the average height and maximum (\$max) height of all the actors together.

```
db.actor.aggregate([  
  {  
    $group: { _id: null , avg_height: {$avg: "$height_cm" }, max_height: {$max:  
"$height_cm" } }  
  }  
]);
```

4. Suppose that the following actor can work in multiple movies. Modify the following insertion query to add the following movies as an array: Life of Pie, Madagascar, and Hunger Games.

```
db.actor.insert({  
  first: 'matthew',  
  last: 'setter',  
  dob: new Date ('April 21, 1978'),  
  gender: 'm',  
  hair_colour: 'brown',  
  occupation: 'actor',  
  nationality: 'australian',  
  height_cm: 185,  
  movies : Array('Life Of Pie', 'Madagascar', 'Hunger games')  
});
```