

## Collections Practice Question

### Question 1:

Based on given class implements the following requirements

```
1  
2  
3 public class Food {  
4  
5     private String foodItemName;  
6     private int cost;  
7     private String category;  
8     private String counterName;  
9  
10 }
```

- 1) Store food class objects in TreeSet.
- 2) Render all foods sorted by Name (it should be the default approach to display all foods)
- 3) Render all foods sorted by price.
- 4) Render all foods sorted by counterName;

Question 2:

Based on the above class implements the following requirements and also creates one more class which is Review.

```
13 class Review
14 {
15     private String username;
16     private int rating;
17     private String comment;
18 }
19
```

- 1) Based on Food and Review class , Store food's review in the Map in following manner
  - a. TreeMap<Food,List<Review>>
- 2) Display all Foods with Reviews.
- 3) Display all Food items with avg. rating.
- 4) Display all Food items with number of reviews

Question 3:

Based on the above code, if the Review doesn't contain a username then throw an `UserNameMissingException`.