Streams assignments on Java 11

Create following classes as described and implement all the business requirements given below.

Create the following classes:

class **Fruit** { String name; int calories; int price; String color; }

class **News** { int newsId; String postedByUser; String commentByUser; String comment; }

class **Trader** { String name; String city; }

class **Transaction** { Trader trader; int year; int value; }

1. Add at least 10 records for Fruit, News, Trader and Transaction classes using List or Set interfaces. (use Arrays class to add records)

2. Display the fruit names of low calories fruits i.e. calories < 100 sorted in descending order of calories.

3. Display color wise list of fruit names.

4. Display only RED color fruits sorted as per their price in ascending order.

5. Find out the newsId which has received maximum comments.

6. Find out how many times the word 'budget' arrived in user comments all news.

7. Find out which user has posted maximum comments.

8. Display commentByUser wise number of comments.

9. Find all transactions in the year 2011 and sort them by value (small to high).

10. What are all the unique cities where the traders work?

11. Find all traders from Pune and sort them by name.

12. Return a string of all traders' names sorted alphabetically.

13. Are any traders based in Indore?

14. Print all transactions' values from the traders living in Delhi.

15. Print sum of all transaction value whose Trader name is given by user.

16. What's the highest value of all the transactions?

17. Find the transaction with the smallest value.