**Q1)** Create the following classes:

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

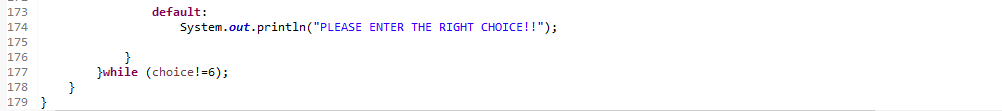
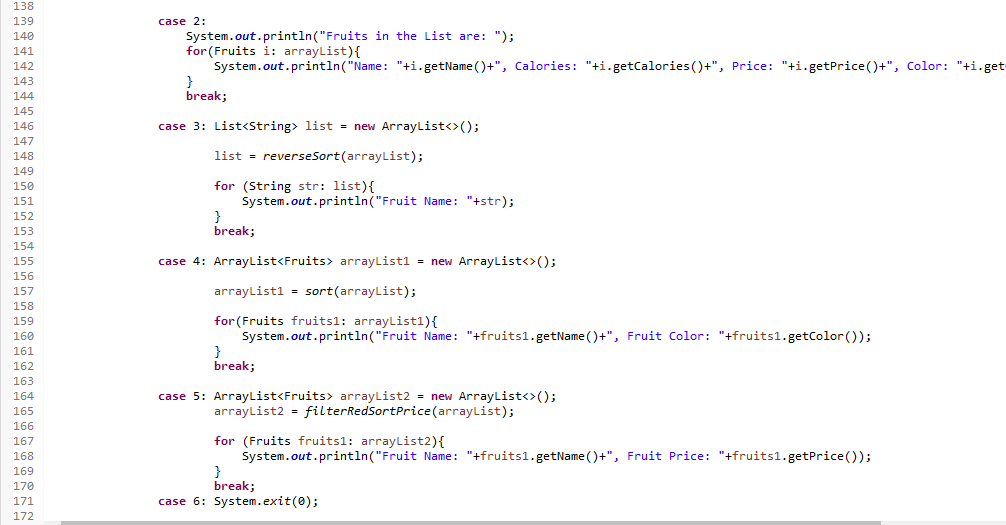
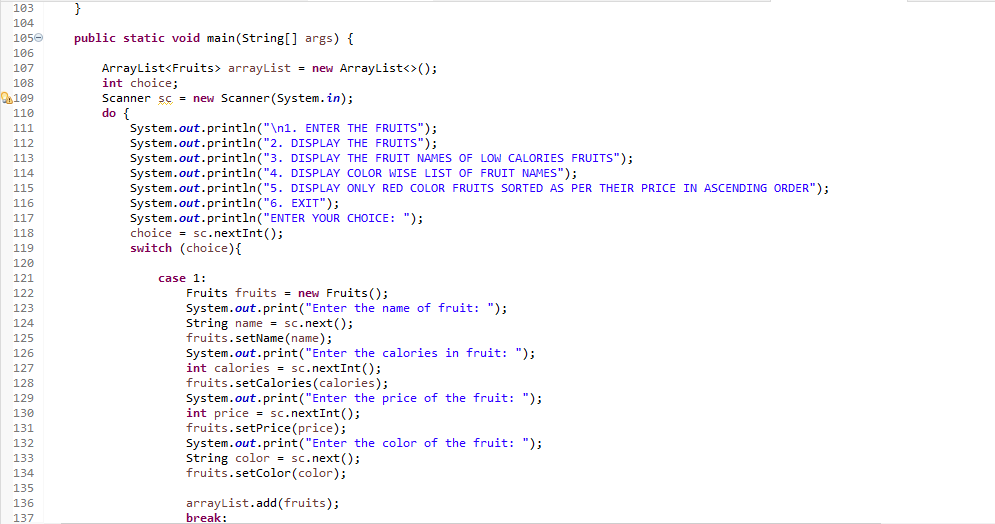
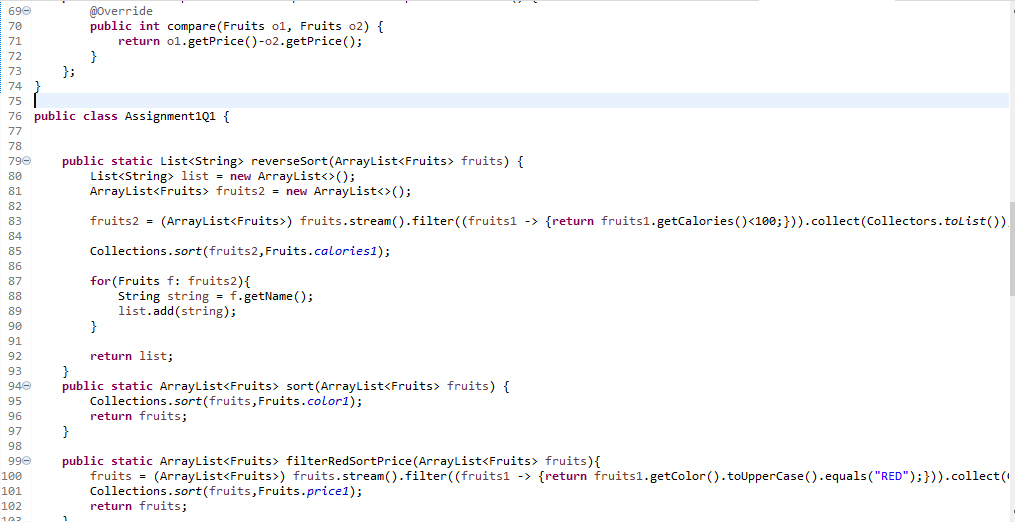
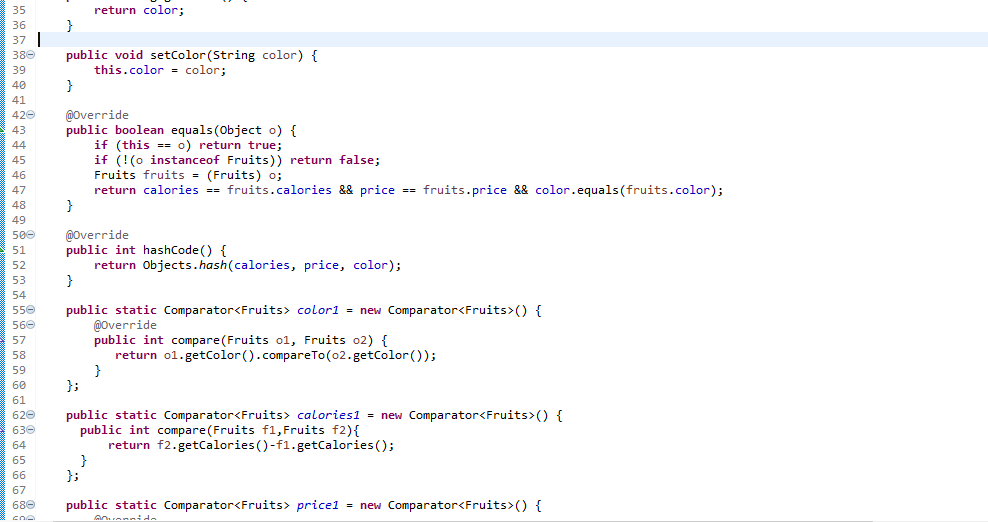
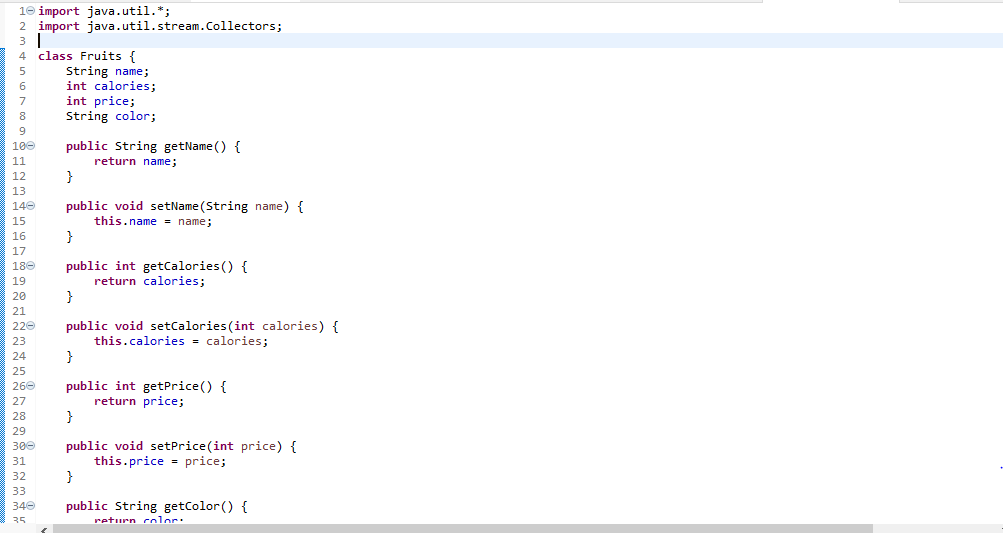
**Display the following:**

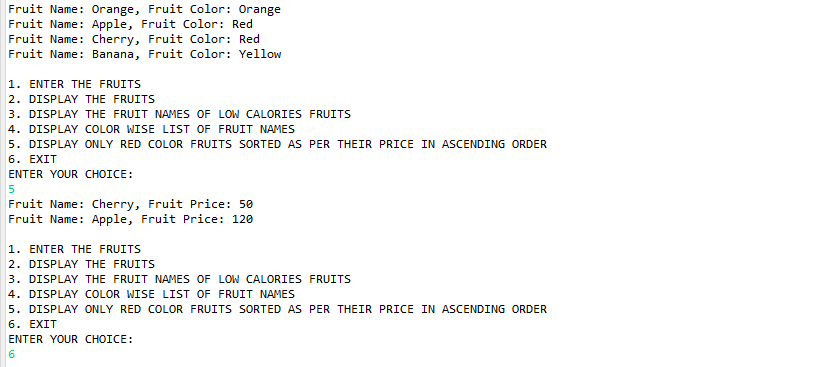
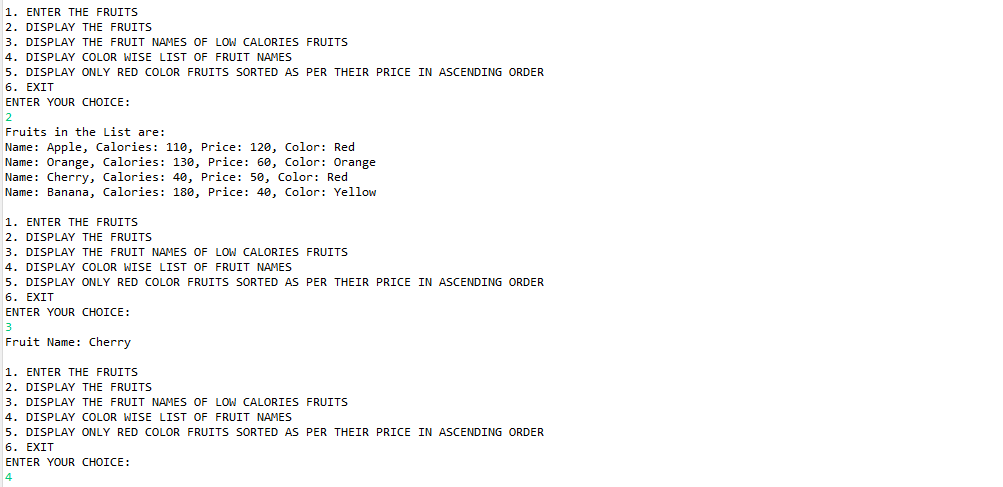
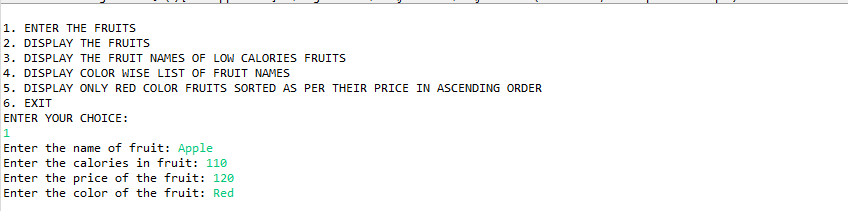
**1. Display the fruit names of low calories fruits i.e. calories < 100 sorted in descending order of calories.**

**2. Display color wise list of fruit names.**

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

**Code:**

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**Output:**

**Q2)** Setup:

Create the following classes:

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

**Find Out:**

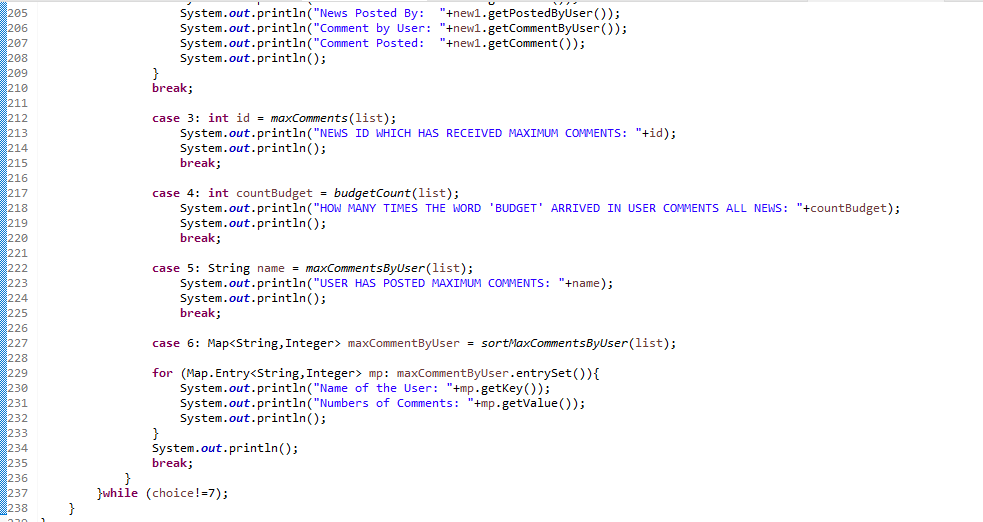
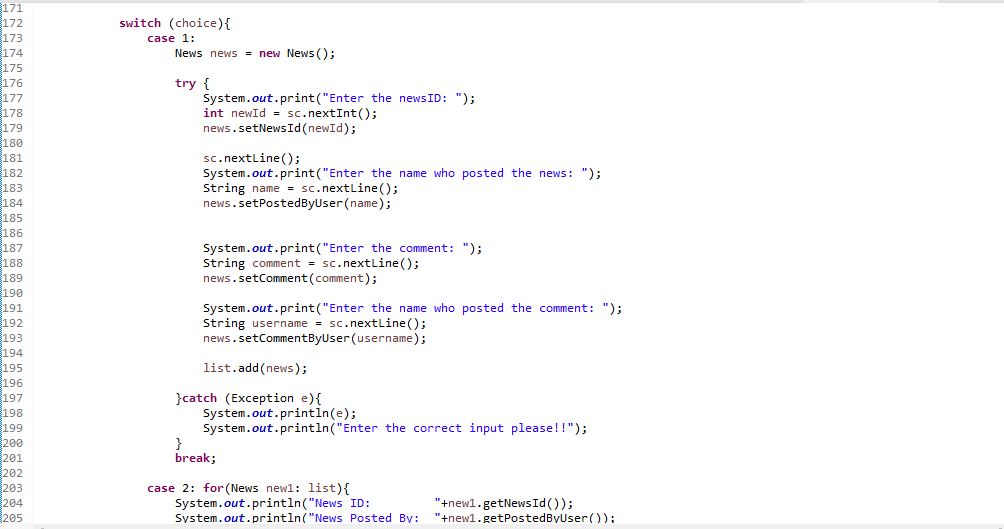
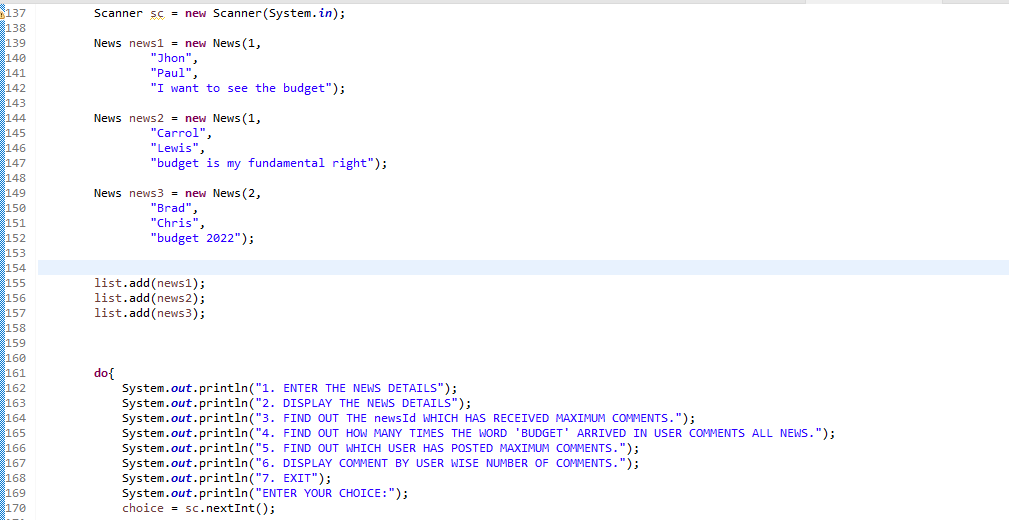
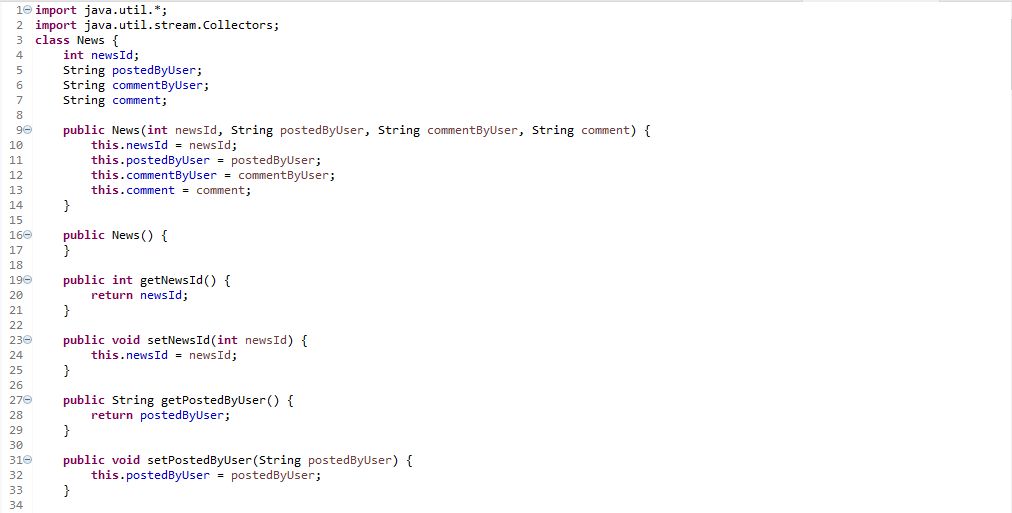
**1. Find out the newsId which has received maximum comments.**

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

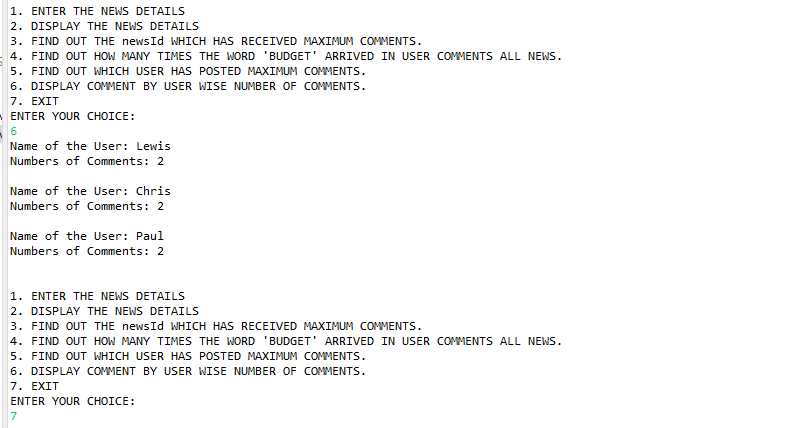
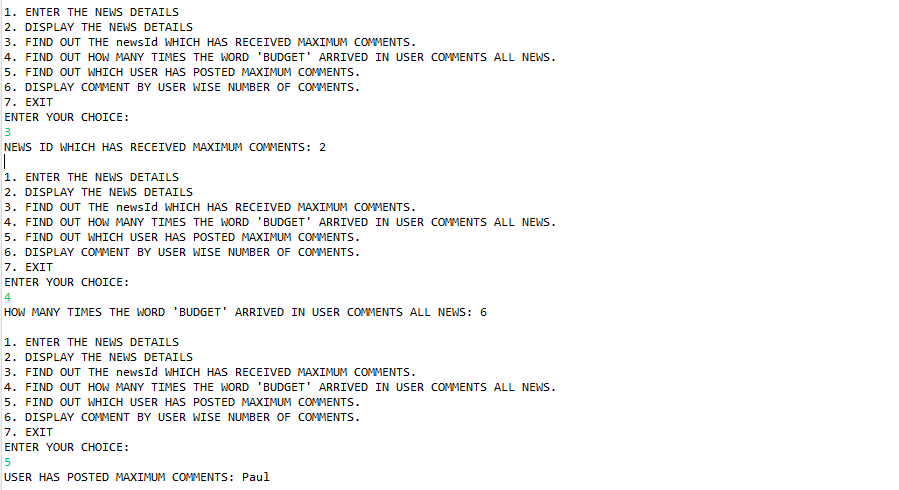
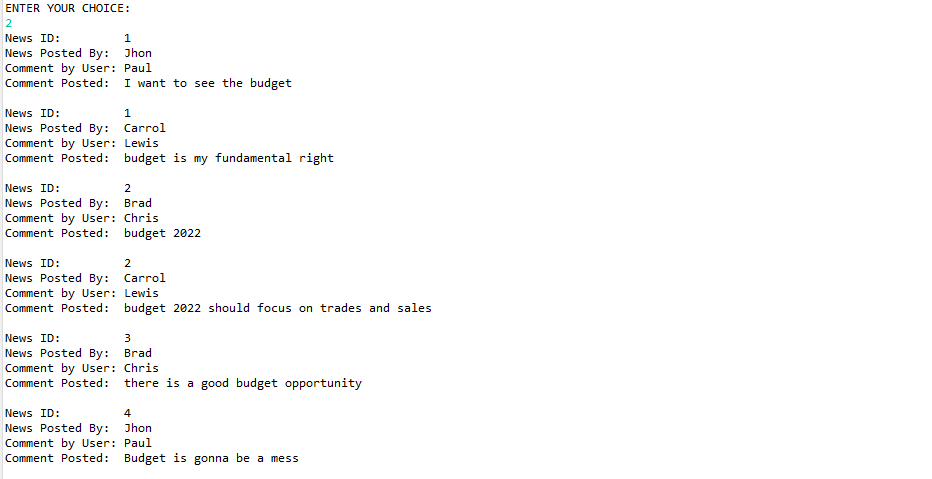
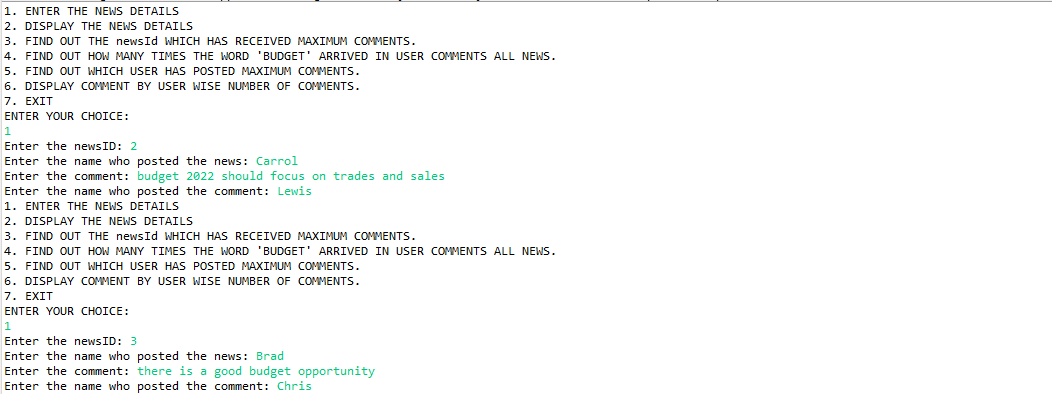
**3. Find out which user has posted maximum comments.**

**4. Display commentByUser wise number of comments.**

**Code:**

A1.2.7

**Output:**

****

**Q3)** Setup:

Create the following classes:

class Trader { String name; String city; }

**Find Out:**

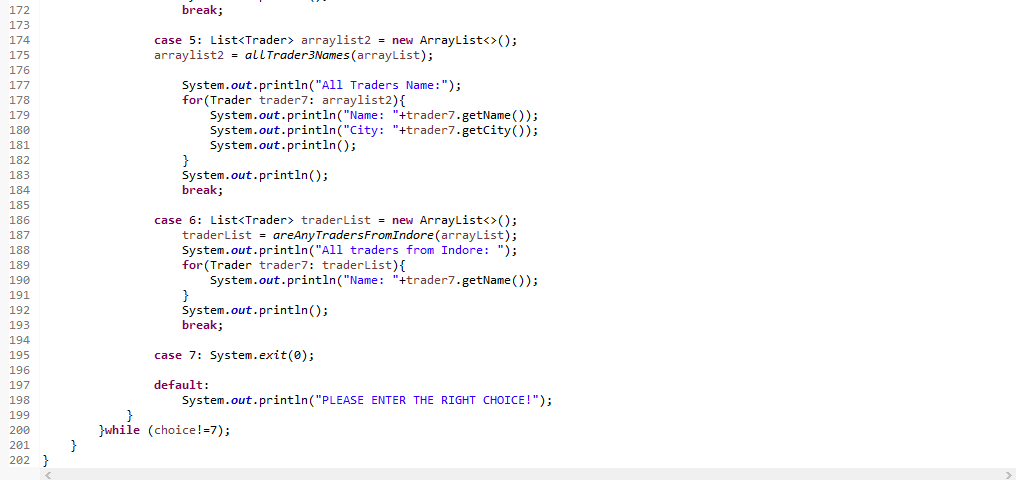
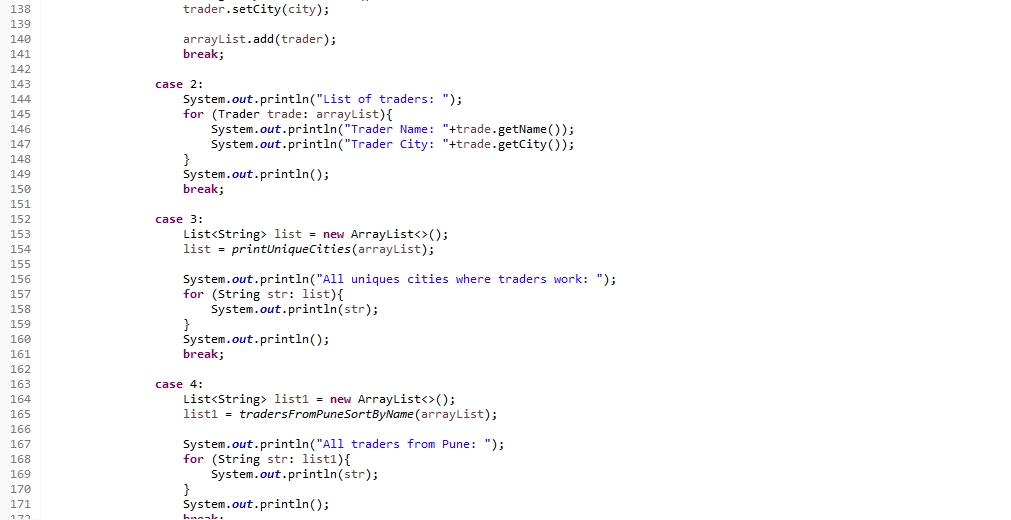
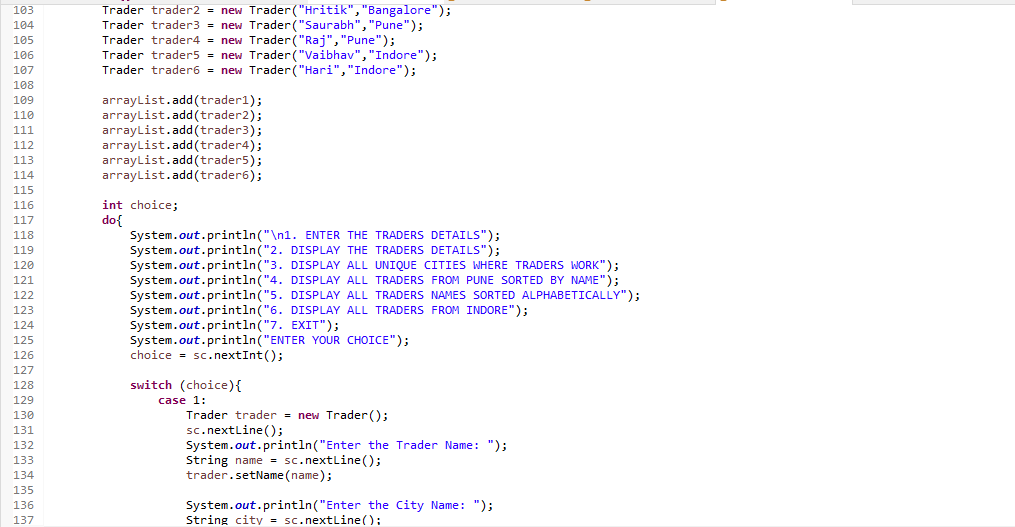
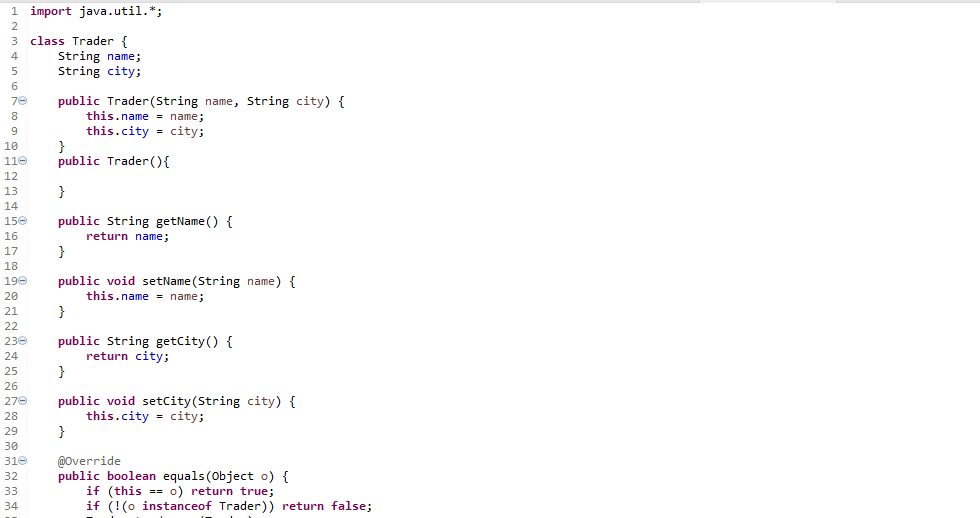
**1. What are all the unique cities where the traders work?**

**2. Find all traders from Pune and sort them by name.**

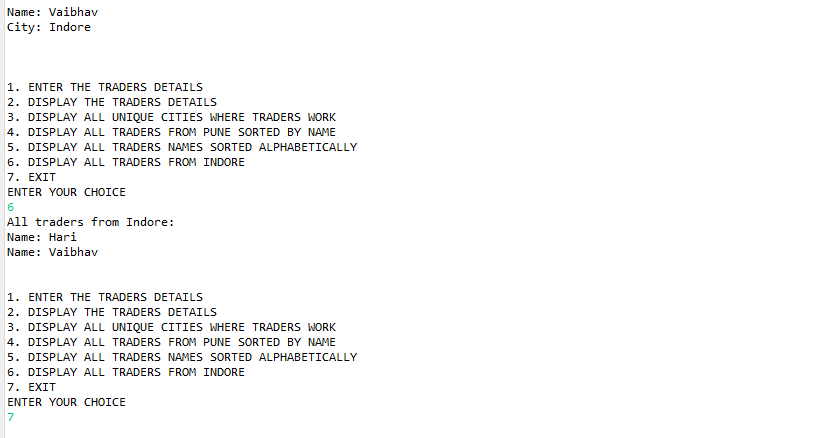
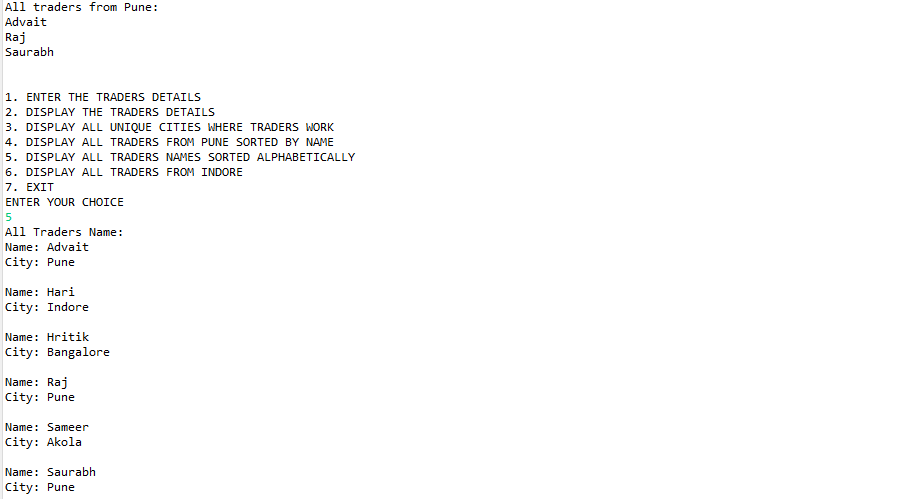
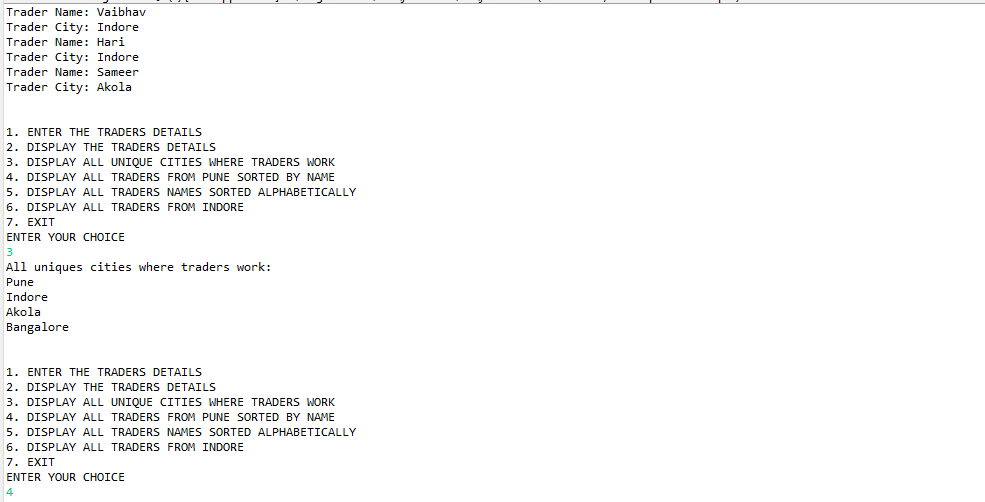
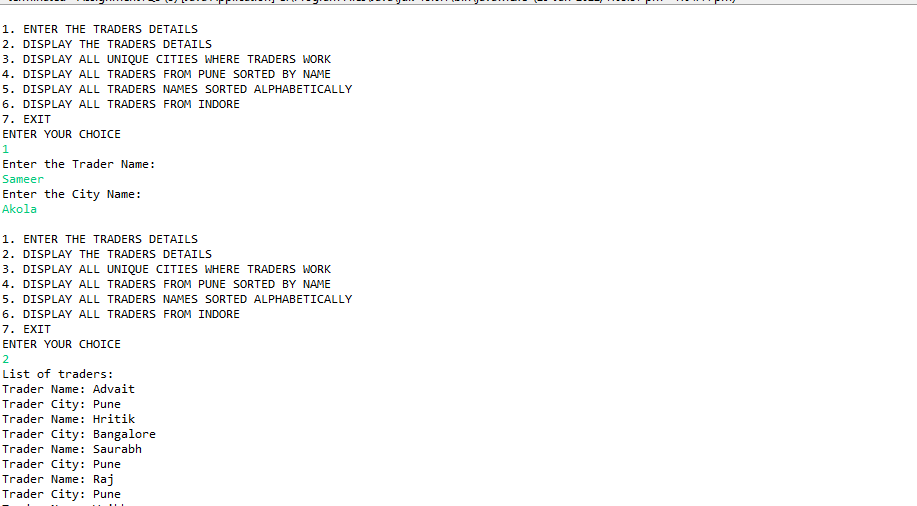
**3. Return a string of all traders’ names sorted alphabetically.**

**4. Are any traders based in Indore?**

**Code:**

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**Output:**

****

**Q4)** Setup:

Create the following classes:

class Trader { String name; String city; }

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

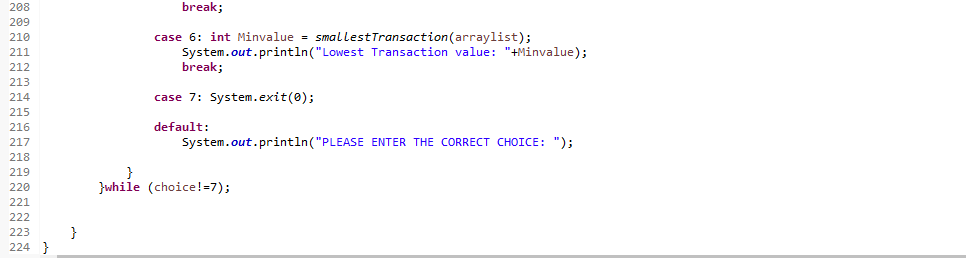
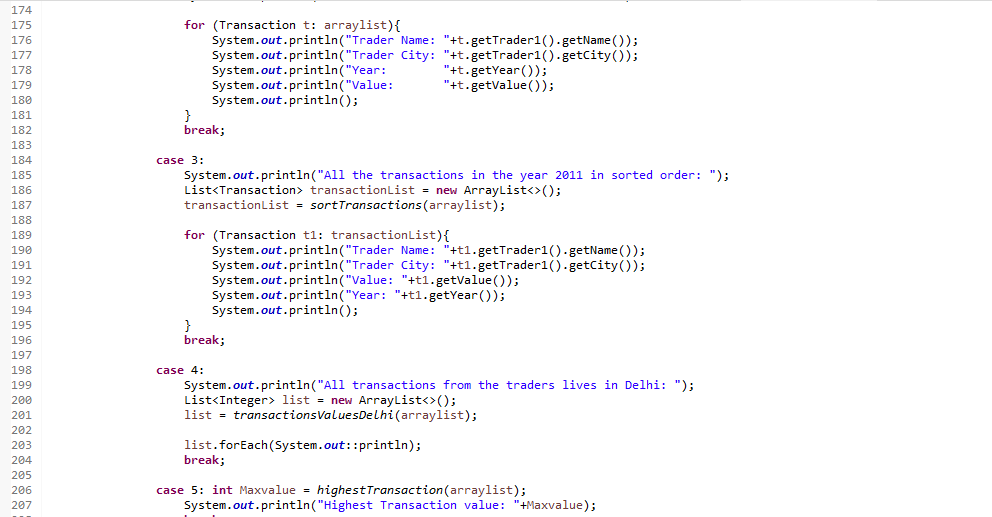
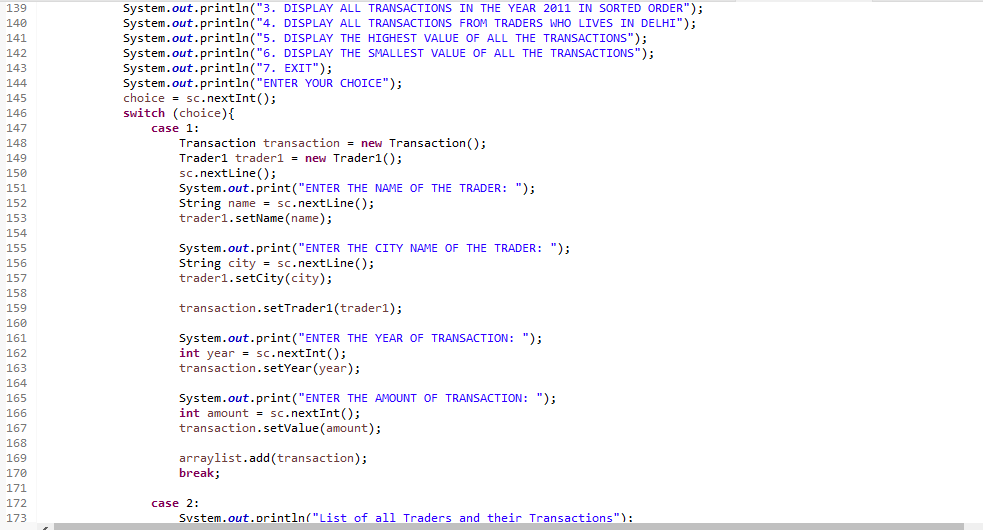
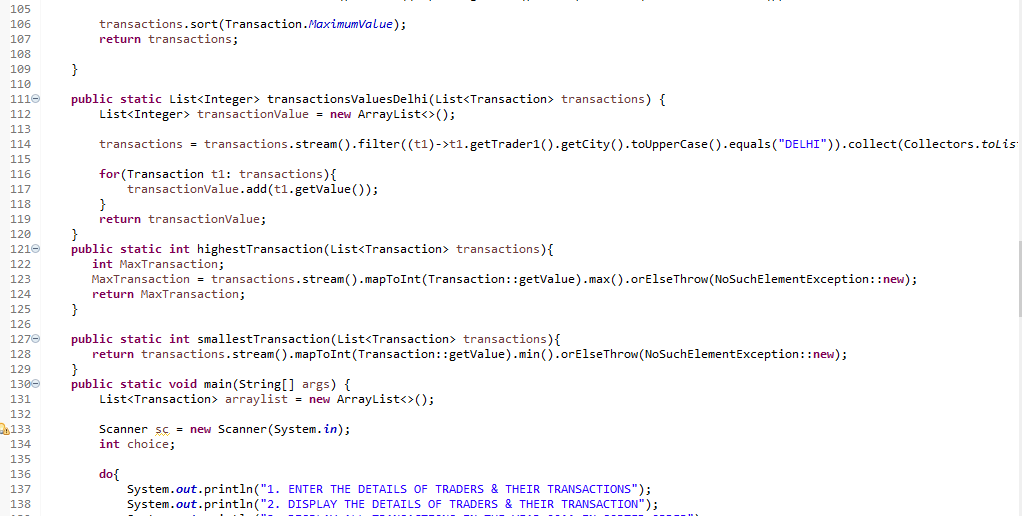
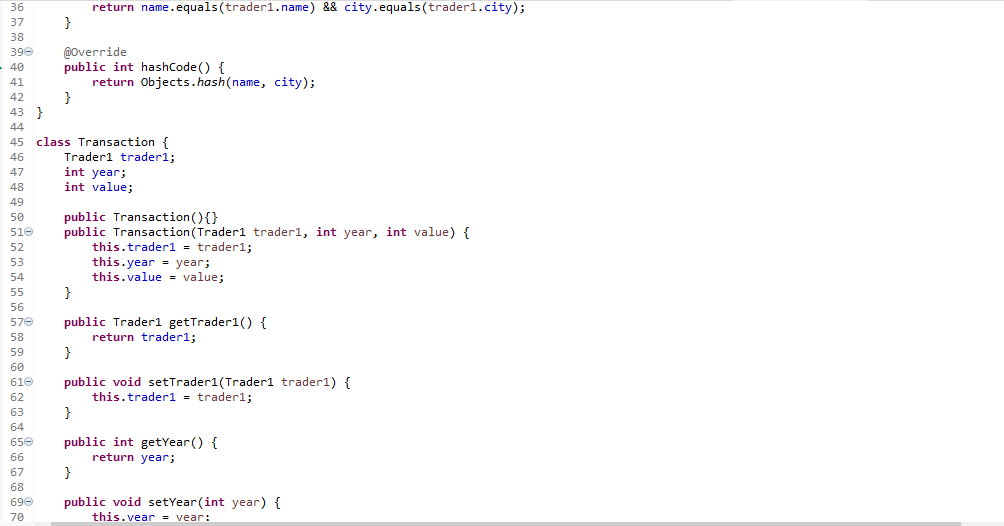
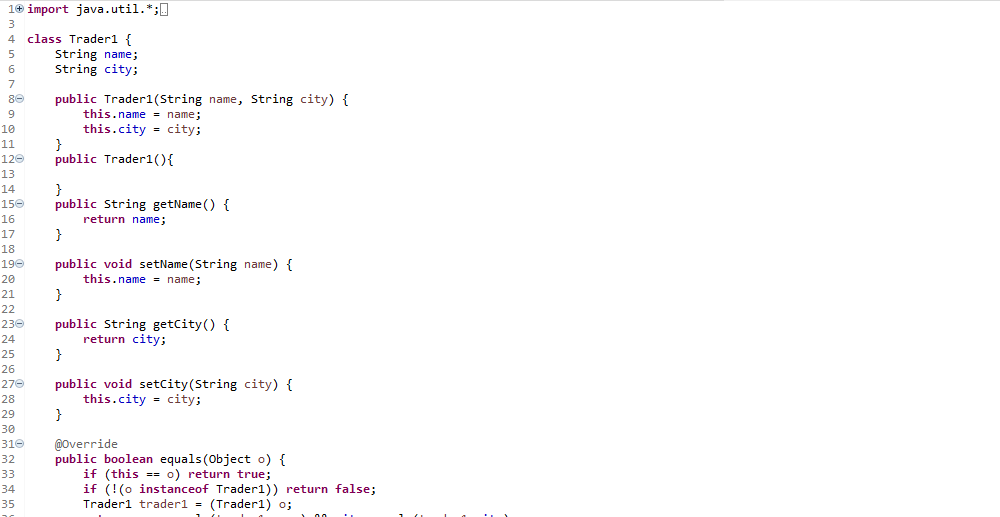
**1. Find all transactions in the year 2011 and sort them by value (small to high).**

**2. Print all transactions’ values from the traders living in Delhi.**

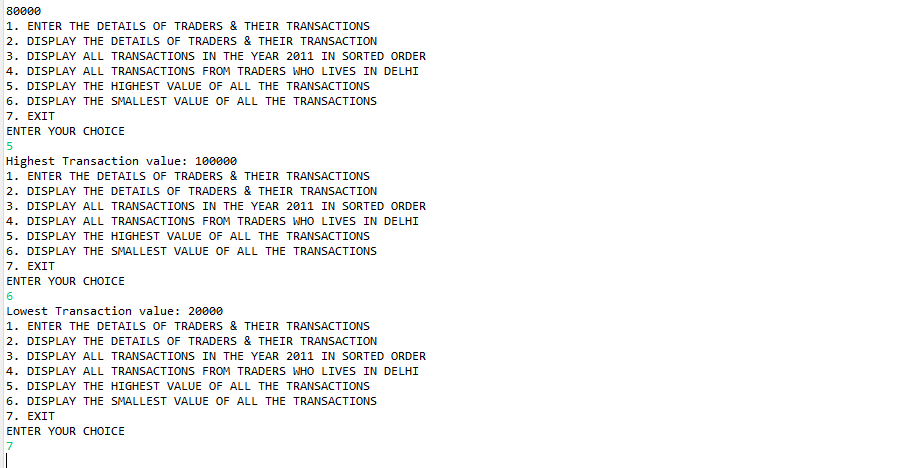
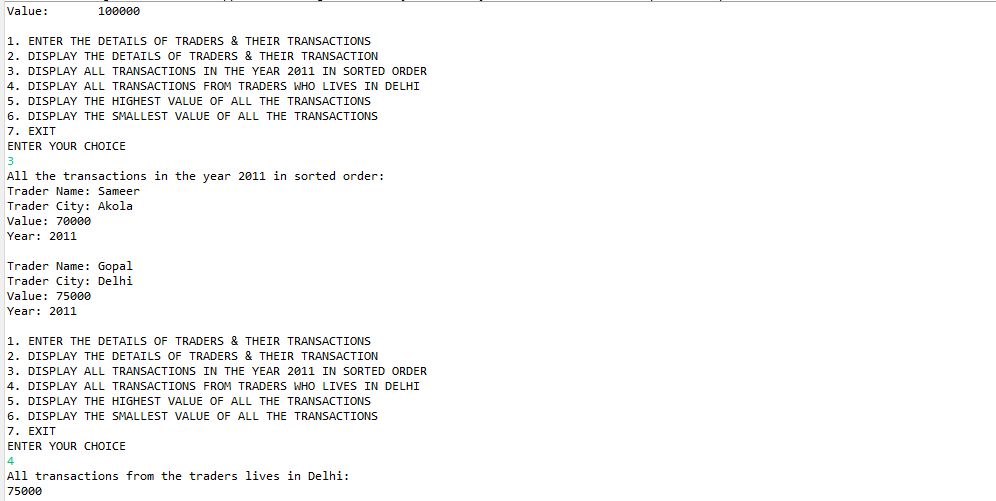
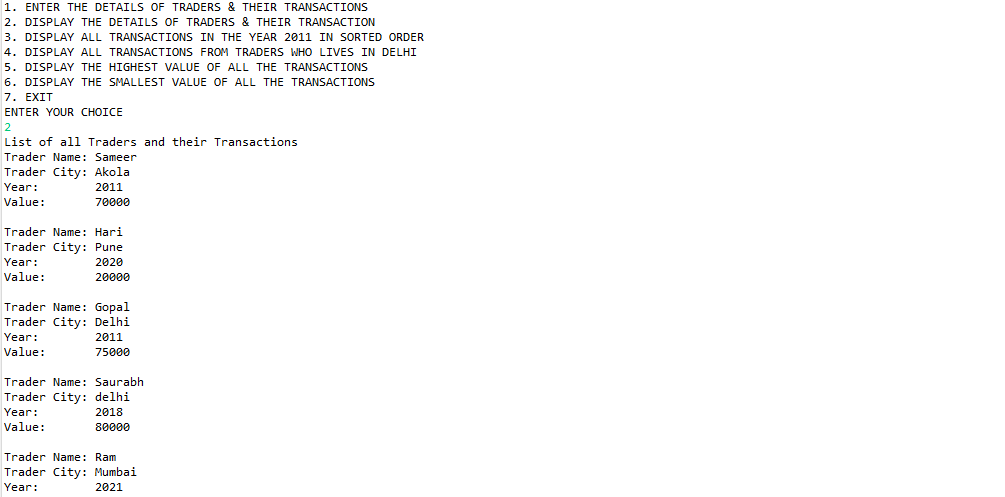
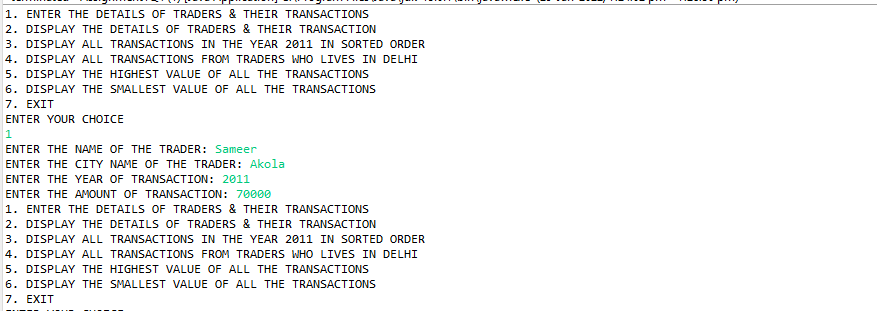
**3. What’s the highest value of all the transactions?**

**4. Find the transaction with the smallest value.**

**Code:**

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**Output:**

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