Name: _____

Student ID: _____

Course Code: TDS3551

Tutorial Section: TT01

Questions:

You will have to work with the same data set - sales data that we have discussed in Part 3 above. For Laboratory 5 (Week 5) you will have to write some Mappers and Reducers yourself and then answer the questions about data that follow.

(a) Instead of breaking the sales down by store, instead give us a sales breakdown by product category across all of the stores.

```
Baby	57491808.44
Books	57450757.91
CDs	57410753.04
Cameras	57299046.64
Children's Clothing	57624820.94
Computers	57315406.32
Consumer Electronics	57452374.13
Crafts	57418154.5
DVDs	57649212.14
Garden	57539833.11
Health and Beauty	57481589.56
Men's Clothing	57621279.04
Music	57495489.7
Pet Supplies	57197250.24
Sporting Goods	57599085.89
Toys	57463477.11
Video Games	57513165.58
Women's Clothing	57434448.97
```

(b) Find the monetary value for the highest individual sale for each separate store. (The most expensive item bought in the store). Just list down the first 10 from your query.

Albuquerque	Pet Supplies	499.98
Anaheim	Women's Clothing	499.98
Anchorage	Consumer Electronics	499.99
Arlington	Toys	499.95
Atlanta	Pet Supplies	499.96
Aurora	Consumer Electronics	499.97
Austin	Health and Beauty	499.97
Bakersfield	DVDs	499.97
Baltimore	Health and Beauty	499.99
Baton Rouge	Cameras	499.98

(c) Find the product with the highest sale for each separate store. (product with the highest sale by monetary value by store). Just list down the first 10 from your query.

Albuquerque	Children's Clothing	579902.1
Anaheim	Music	582258.76
Anchorage	Baby	582424.49
Arlington	Video Games	589641.78
Atlanta	Garden	578389.73
Aurora	Toys	573050.54
Austin	Baby	585991.83
Bakersfield	Video Games	582554.84
Baltimore	Video Games	579647.72
Baton Rouge	Health and Beauty	582348.81