Lab 4.

Write a Map/Reduce program that finds the 10 most expensive products. The result should be ordered by the price of the product in descending order. Example output:

122, XBox, 230.23 //proudctID, product name, price  
11, iPad, 200.23  
...

Write a Java program that doesn’t use Hadoop and finds the same result. Please use appropriate structures (e.g., HashSet, HashMap) to make the Java program as efficient as possible. Make sure you get the same result from both programs. Also, compare the performance of the two programs. For a fair comparison, make the Java program write the result to a file.