Project Report

Assumptions:

* The input to the current program with be the path to the folder where files are stored. It will throw an error message if 0 or more than 1 arguments are passed as arguments in command line.
* The current project only works for file types “txt” and “csv”. However it can be extended for other formats with a simple addition of else if loop.
* The column Product\_ID is represented by product (case not relevant) and the column Quantity is represented by quantity or inventory in the supplier files.
* Supplier\_ID is taken as the name of the file without the extension.

Included with this project are 4 files:

FileProcessor.java, the file which reads the input file line by line and passes it as a string to class Parser.

Driver.java, the main file associated with the program also contains main.

Parser.java, file where all the parsing operations have been performed and the relevant data is stored in our database.

PrimaryKey.java, file we create objects to pass in the database as primary key. These objects include Supplier\_ID and Product\_ID.

README.txt, the text file you are presently reading.

Database used : I have used a map of the type <PrimaryKey,String>. PrimaryKey is the class that creates objects of Supplier\_ID and Product\_ID to be passed as primary key to the map. Quantity has been represented as type string but can easily be converted to type integer.

Output: The project displays the map content when all the files in the selected folder have been read and processed.