LAB- SpringBatch – Reading Comma Separated Flat File

In this lab you will be understand how to read Comma Separated Flat files using FlatFileItemReader

In this lab, you will be working on **01-BatchBasic-start** project
Make sure , you have created batchdb in mysql database

1) Go to src/main/resources and Open **batch-infrastructure-config.xml**

2) Job repository and JobLauncher configuration is already done

3) Open **batch-config.xml** file

4) Configure <batch:job> tag with id of your choice

5) Within <batch:job> tag , configure <batch:step> tag with id of your choice

6) Within <batch:step> tag , configure <batch chunk> tag
   It should have attributes reader,writer and commit-interval
   Value of commit-interval should be 3 for this usecase , we don't have much records
   Keep reader value as "productFileReader" as this is the id of our FlatFileItemReadet
   Keep writer value as "productDatabaseWriter" as this is the id of our configured writer

7) Now **Job** is configured with step

8) Notice FlatFileItemReader is defined with one property i.e. resource that specifies path of products.txt

9) Add a property "linesToSkip" as 1 , so that header line in products.txt can be skipped

10) Add a property "lineMapper" and configure "DefaultLineMapper"

11) This "DefaultLineMapper" should have two properties

12) Property "lineTokenizer" should point to "DelimitedLineTokenizer"

13) DelimitedLineTokenizer breaks the lines into tokens

14) Specify the names of fields to which these tokens map

15) Property "fieldSetMapper" should point to **ProductFieldSetMapper** (Custom mapper , its in package com.way2learnonline.batch.support – have a look)

16) This completes your reader configuration

17) Notice writer configuration is already done : ProductJdbcItemWriter
<bean id="productDatabaseWriter"
class="com.way2learnonline.batch.Writer.ProductJdbcItemWriter"/>
This is a simple writer that inserts data in Product table

18) Go to src/test/java and Run **BatchTest.java**

19) It will read data from File and insert in product table

Congratulations!!   You have completed the Lab successfully!!