LAB- SpringBatch – Reading XML File

In this lab you will be understand how to read XML File using StaxEventItemReader

In this lab, you will be working on **04-ReadingXmlFile-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) Notice **Job** is defined with a step

5) Step has a tasklet/chunk configuration with reference to **reader** and **writer , commit-interval of 3**

6) StAX is a standard XML-processing API that streams XML data to your application

7) Notice StaxEventItemReader is defined with one property i.e. resource which specifies the path of file

8) We need to defined other properties but before this , we will define other beans.

9) Configure a bean with Class "org.springframework.oxm.jaxb.Jaxb2Marshaller" , its property "classesToBeBound" should be set with "com.way2learnonline.domain.Product"

10) Go Back to your reader class and configure its properties

11) Property 1 : fragmentRootElementName , value should be "product"

12) Property 2 : Unmarshaller : it should have reference to the jaxb2marshaller object that you have created above

13) This completes your reader configuration

14) Open Product.java (com.way2learnonline.domain package) and notice that it is annotated with @XmlRootElement , this is the minimum possible configuration that is required to be done for JAXB to marshall/unmarshall

15) 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

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

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

Congratulations!!   You have completed the Lab successfully!!