



## LAB- Spring Batch – Reading From Database – Way 1

In this lab you will be understand how to read from Database using JdbcCursorItemReader

In this lab, you will be working on **06-ReadingFromDatabaseWay1-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) Notice Configuration of **JdbcCursorItemReader** is available in XML file
- 7) Todo 1 : Configure a property “dataSource” , it should refer dataSource( it is already defined in infrastructure-config.xml so no need to create a dataSource again , you just need to specify the name in reference)
- 8) Todo 2: Configure a property “sql” , specify the select statement in the value i.e. "select id,name,description,price from productOld"
- 9) We are planning to take data from **productOld** table and insert in **product** table
- 10) Todo 3: Configure a property rowMapper and refer to "com.way2learnonline.batch.support.ProductRowMapper" (custom class)
- 11) RowMapper takes data from ResultSet and creates the Product object
- 12) Reader configuration is done
- 13) 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
- 14) Go to src/test/java and Run **BatchTest.java**



15) It will read data from **productdb** table and insert in **product** table

**Congratulations!! You have completed the Lab successfully!!**