# WAY2LEARN

## LAB- SpringBatch – Reading Fixed Length Flat File

In this lab you will be understand how to read fixed length Flat files using FlatFileItemReader

In this lab, you will be working on **02-ReadingFlatFileFixedLength-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 FlatFileItemReader is defined with most of the properties (same as the configuration done in previous lab)

7) Within DefaultLineMapperConfiguration , specify "org.springframework.batch.item.file.transform.FixedLengthTokenizer" as the value of **LineTokenizer** property

8) Within FixedLengthTokenizer , specify two properties :-

9) <property name="columns" value="1-9,10-35,36-50,51-56"/>

10) <property name="names" value="ID,NAME,DESCRIPTION,PRICE"/>
    This specifies that ID is in range of 1to 9, Name is range of 10 to 35 and so on.

11) This completes your reader configuration

12) 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

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

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


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