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Spring Batch
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=> Spring Batch is a lightweight, comprehensive batch framework designed to enable the development of robust batch applications.

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What is Batch Application ?
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-> The application which will process bulk of records is called as Batch application.

Ex :

1) Sending Monthly Salaries to all employees in company
2) Generating Monthly Payslips for employees
3) Sending Monlty Bank Account statemet to acc holders
4) Sending Monthly credit card bill statement to card holders
5) Sending Festival Greetings to all customers
6) Sending Notices on daily/weekly/monthly/yearly basis...


```
        process    process
CSV File ==============> Database ================>  CSV File
```


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Spring Batch Terminology
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1) JobLauncher

2) Job

3) Step

4) ItemReader

5) ItemProcessor

6) ItemWriter

7) JobRepository

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Spring Boot with Batch Example
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Requirement : Read Customers Data From CSV file and write into Database table

1) Create Spring Starter project with below dependencies

a) web-starter
   b) batch
   c) data-jpa
   d) mysql-driver
   e) lombok

2) Configure Datasource properites in application.yml file

3) Keep Source File under src/main/resources folder (customers.csv)

4) Create Entity class & Repository interface

5) Create Batch Configuration class

6) Create RestController and launch job

Git Hub Repo URL : https://github.com/ashokitschool/sringboot_batch_app.git