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Spring Batch
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=> Spring Batch is a light weight, 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 ####


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Assignment
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=> Read Data from DB table and store into CSV file using Spring Batch.