Frequently Asked Spring Batch Interview Questions

What is Spring Batch ?

Spring batch is a lightweight framework that is used to develop batch application.It is generally used in high volume batch job.

What is batch process ?

Batch process is a type of process in which a series of task are executed without user intervention.Tasks are executed automatically.

Where batch processing is used ?

It is generally used in enterprise application where large volume of data is used to perform.For example in enterprise application is tested on large data periodically.

Give few example of function that spring batch does ?

- Logging
- Restart task
- Transaction management

Mention few features of spring batch ?

- Scalable
- Reliable
- Flexible
- Maintainable

What are the main component in spring batch ?

- Application : It contains job
- Core : It executes job
- Batch Infrastructure : It contains reader , writer and services that is used by both application and core.

What is job ?

In spring batch job is batch job that contains set of step that are executed automatically without manual intervention.

What is step in job ?

In spring batch step is independent part of job that execute the part of job. Each step contains ItemReader, ItemWriter and ItemProcessor.

What is ItemReader ?

In spring batch ItemReader reads data into spring batch from a source.

What is ItemWriter ?

In spring batch ItemWriter writes data from spring batch to a destination.

What is ItemProcessor ?

In spring batch ItemProcessor is a processing class that processes data read in spring batch.For every record in spring batch processor is executed.It is an optional.Using ItemProcessor we can transform items before sending to ItemWriter.

What is JobLauncher ?

In spring batch JobLauncher is an interface that executes spring batch job with given parameters.

What is JobInstance ?

In spring batch JobInstance is an logical entity of job when job is running.

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