Database should be access via interface. Right now implementation is for HyperSQL. In future, we could use other DB with less code change.

Add LogProcessor object into Map. Dump the map output in database periodically. This will reduce memory load in case of large file.

(Handles large file)

Map POJO object with LogProcessor object. This class will have desired output filed and methods associated with it.

(Handles large file)

Convert log file data points into POJO object

(Handles large file)

Input: FileName

Read File line by line (Handles large file)

Further enhancements

* Use Serialization / deserialization with exception handling. This would allow application to resume from break point in case of failure.
* If we say input will be multiple files to be processed, we can use multi-threading to process each file via individual thread.
* Add more validations.