

Date : 09/03/2021
Spring Boot 9AM
Mr. RAGHU

Log4J:

<https://www.youtube.com/c/NareshIT/search?query=Log4j%20raghu>

Mini Project Code:

[https://www.mediafire.com/file/c0qg2gcybccg3lr/SpringBoot2WebMvcMySQLC
rud09032021.zip/file](https://www.mediafire.com/file/c0qg2gcybccg3lr/SpringBoot2WebMvcMySQLC rud09032021.zip/file)

Mini Project Stages

Stage#1 Register Employee [Done]
Stage#2 Display Data [Done]
Stage#3 Delete By Id [Done]
Stage#4 Edit Page and Update Data [DONE]
Stage#5 UI Bootstrap Design [done]
Stage#6 UI-JQuery Validation [done]
Stage#7 AJAX validation [DONE]
Stage#8 Error Page Handling [done]
Stage#9 Exception Handling [done]
Stage#10 Log Implementation
Stage#11 Pagination Example

Stage#10 Log Implementation

Logging Concept :-

Tracing Success Messages, Errors, warnings, Exceptions..etc
into one Log file, mainly at Production server can be done using
Logging.

Logging -- Log4J (Apache)

- a. Logger Object (class)
- b. Appender (FileAppender | Rolling File Appender)
- c. Layout (Pattern Layout)

*) Log4J says create 'log4j.properties' inside that file we need to
provide rootLogger, appender , layout details.

*) Log4J is simplified by SLF4J (Simple Logging Facade for Java)
ie

- > Need not to create log4j.properties
- > Layout default comes with pattern
- > File Appender default comes with Rolling (max log file size)
- > Comes with default root logger as INFO.
- > Only work on Logger and methods.

*) Spring boot uses default rolling file appender.

It means every log file is created with max size,
once size is exceeded then take that file as backup
and create new one.

--application.properties--

logging.file.name=F:/mylogs/mywebapp.log
logging.file.max-size=10MB
logging.file.max-history=90
logging.file.clean-history-on-start=true

```
logging.pattern.file=%d{dd-MM-yy}- %C %M - [%p] %m%n
-----
```

DEBUG : Print Final Success Messages

INFO : print Current stage

WARN : print warnings

ERROR : Print Exceptions

FATAL : print n/w, database , connection problems..etc

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