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# Log4j

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Q1: What is Log4j?
A1: Log4j stands for logging messages for Java. It is an open-source framework used to log messages from your program to final destinations.

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Q2: How many components of Log4j?
A2:
   a. Logger – Captures logging information.
   b. Layout – Formats logging information.
   c. Appender – Publishes logging information to preferred destinations.

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Q3: How many environments of Log4j?
A3:
   a. Development (Debug Level)
   b. Quality Assurance (Info Level, Error Level)
   c. Production (Warn Level)

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Q4: How many levels of Log4j?
A4:
   a. Debug Level
   b. Info Level
   c. Warn Level
   d. Error Level
   e. Fatal Level

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Q5: How many layouts of Log4j?
A5:
   a. Date Layout
   b. HTML Layout
   c. XML Layout
   d. Simple Layout
   e. Pattern Layout

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Q6: How many Log4j Appenders?
A6:
   a. Console Appender     b. File Appender
   c. RollingFile Appender   d. Daily RollingFile Appender
   e. Null Appender     f. JDBC Appender
   g. SMTP Appender     h. Socket Appender
   i. Telnet Appender     j. External RollingFile Appender

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Q7: Which layout is used in Log4j?
A7: Pattern Layout

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Q8: How to configure Log4j?
A8:
    a. Add Log4j (1.2.17) dependency.
    b. Create a Log4j properties file.
    c. Create Logger object in all controllers and models.

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Q9: How to enable Log4j?
A9:
    properties
    Copy
    Edit
    Logger.rootLogger = DEBUG, file, stdout

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Q10: How to disable Log4j?
A10:
    properties
    Copy
    Edit
    Logger.rootLogger = OFF, file, stdout

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Q11: Which layout is followed by Log4j?
A11:
    For File: Log4j.appender.file.Layout = org.apache.log4j.PatternLayout
    For Console: Log4j.appender.stdout.layout = org.apache.log4j.PatternLayout

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