

Unit 7 - Week 6

Course outline

How does an NPTEL online course work?

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Week 2

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Week 6

- Week6_Session1
- Week6_Session2
- Introduction to JDBC
- Modern Application Development : Week 6 Feedback Form

Quiz : Assignment 6

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Assignment 6

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-05-01, 23:59 IST.

- 1) Which of the following is not a default log level in log4j?

1 point

- Error
- Critical
- Info
- Warn

No, the answer is incorrect.

Score: 0

Accepted Answers:

Critical

- 2) Which Apache log file do you expect to see the following message: client denied by server configuration

1 point

- Install log
- Access log
- Error log

No, the answer is incorrect.

Score: 0

Accepted Answers:

Error log

- 3) Which component of log4j is used to publish the logging info to the destination like the file, database, console etc?

1 point

- Logger
- Publisher
- Layout
- Appender

No, the answer is incorrect.

Score: 0

Accepted Answers:

Appender

- 4) If logger config level is set to warn, which of the following event levels will not be logged?

1 point

- i. info
- ii. warn
- iii. error
- Only info
- Only error
- Both info and warn
- Both warn and error

No, the answer is incorrect.

Score: 0

Accepted Answers:

Only info

- 5) Which of the following is a fatal error message?

1 point

- Child process 123 did not exit. Sending another SIGHUP.
- Server busy. Waiting for access
- Ran out of memory. Exiting
- Requested database not found

No, the answer is incorrect.

Score: 0

Accepted Answers:

Ran out of memory. Exiting

- 6) Consider the following logtest.java file and the log4j2.xml file.

1 point

```

1 import org.apache.logging.log4j.*;
2
3 public class logtest{
4     public static void main(String[] args) {
5         Logger logger1 = LogManager.getLogger("logger1");
6         Logger logger2 = LogManager.getLogger("logger2");
7         Logger logger3 = LogManager.getLogger("logger3");
8
9         logger1.fatal("fatal1");
10        logger1.error("error1");
11        logger1.warn("warn1");
12        logger1.info("info1");
13        logger1.debug("debug1");
14        logger1.trace("trace1");
15
16        logger2.fatal("fatal1");
17        logger2.error("error1");
18        logger2.warn("warn1");
19        logger2.info("info1");
20        logger2.debug("debug1");
21        logger2.trace("trace1");
22        Configurator.setLevel(logger2.getName(), Level.TRACE);
23        logger2.fatal("fatal2");
24        logger2.error("error2");
25        logger2.warn("warn2");
26        logger2.info("info2");
27        logger2.debug("debug2");
28        logger2.trace("trace2");
29
30        logger3.fatal("fatal1");
31        logger3.error("error1");
32        logger3.warn("warn1");
33        logger3.info("info1");
34        logger3.debug("debug1");
35        logger3.trace("trace1");
36    }
37 }
```

Listing 1: logtest.java

- 1 <?xml version="1.0" encoding="UTF-8"?>
2 <Configuration status="WARN">
3 <Appenders>
4 <Console name="Console" target="SYSTEM_OUT">

5 <PatternLayout pattern="%-5level %logger{36} - %msg%n"/>
6 </Console>
7 <File name="Log1" fileName="logs/log1.log">
8 <PatternLayout pattern="%-5level - %msg%n"/>
9 </File>
10 <File name="Log2" fileName="logs/log2.log">
11 <PatternLayout pattern="%-5level - %msg%n"/>
12 </File>
13 <File name="Log3" fileName="logs/log3.log">
14 <PatternLayout pattern="%-5level - %msg%n"/>
15 </File>
16 </Appenders>

17 <Loggers>
18 <Logger name="logger1" level="error" additivity="false">
19 <AppenderRef ref="Console" level="warn"/>
20 <AppenderRef ref="Log1" level="fatal"/>
21 </Logger>
22 <Logger name="logger2" level="info" additivity="false">
23 <AppenderRef ref="Console" level="info"/>
24 <AppenderRef ref="Log2" level="trace"/>
25 </Logger>
26 <Logger name="logger3" additivity="false">
27 <AppenderRef ref="Console" level="error"/>
28 <AppenderRef ref="Log1" level="warn"/>
29 <AppenderRef ref="Log3" level="info"/>
30 </Logger>
31 <Root level="warn" additivity="false">
32 <AppenderRef ref="Console"/>
33 <AppenderRef ref="Log3"/>
34 </Root>
35 </Loggers>
36 </Configuration>

Listing 2: log4j2.xml

What will be the output in the log file log1.log?

1 FATAL - fatal1			
2 FATAL - fatal1	2 FATAL - fatal1	2 ERROR - error1	2 ERROR - error1
3 ERROR - error1	3 ERROR - error1	3 FATAL - fatal1	3 FATAL - fatal1
4 WARN - warn1	4 WARN - warn1	4 ERROR - error1	4 ERROR - error1
5 INFO - info1	5 INFO - info1	5 WARN - warn1	5 WARN - warn1
6 DEBUG - debug1	6 DEBUG - debug1	6 INFO - info2	6 INFO - info2
7 TRACE - trace1	7 TRACE - trace1	7 DEBUG - debug2	7 DEBUG - debug2
8	8	8	8

Listing 1: logtest.java

(a)	(b)	(c)	(d)
-----	-----	-----	-----

No, the answer is incorrect.

Score: 0

Accepted Answers:

(a)

- 7) Considering the same logtest.java and log4j2.xml files as in problem 6, what will be the output in the log file log2.log?

1 point

1 FATAL - fatal1			
2 ERROR - error1			
3 WARN - warn1	3 WARN - warn1	3 INFO - info1	3 DEBUG - debug1
4 FATAL - fatal1			
5 ERROR - error1			
6 WARN - warn1	6 WARN - warn1	6 INFO - info2	6 DEBUG - debug2
7 INFO - info1	7 INFO - info1	7 TRACE - trace1	7 TRACE - trace1
8 DEBUG - debug1			
9 TRACE - trace2			
10	10	10	10

Listing 2: log4j2.xml

(a)	(b)	(c)	(d)
-----	-----	-----	-----

No, the answer is incorrect.

Score: 0

Accepted Answers:

(c)

- 8) Considering the same logtest.java and log4j2.xml files as in problem 6, what will be the output in the log file log3.log?

1 point

1 FATAL - fatal1			
2 ERROR - error1			
3 WARN - warn1	3 WARN - warn1	3 INFO - info1	3 DEBUG - debug1
4 FATAL - fatal1			
5 ERROR - error1			
6 WARN - warn1	6 WARN - warn1	6 INFO - info2	6 DEBUG - debug2
7 INFO - info1	7 INFO - info1	7 TRACE - trace1	7 TRACE - trace1
8 DEBUG - debug1			
9 TRACE - trace2			
10	10	10	10

Listing 2: log4j2.xml

(a)	(b)	(c)	(d)
-----	-----	-----	-----

No, the answer is incorrect.

Score: 0

Accepted Answers:

(b)

- 9) Considering the same logtest.java and log4j2.xml files as in problem 6, what will be the output in the console?

1 point

1 FATAL logger1 - fatal1			

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