Eg: Log4jHtmlLayoutFileAppender

Case-1:

# 1. Specify Logger level and appender

log4j.rootLogger=DEBUG, R

# 2. Define the appender

log4j.appender.R=org.apache.log4j.FileAppender

# 3. Specify the file where log will be written

log4j.appender.R.File=C:\\Users\\Administrator\\Downloads\\new1\\log.html

# 4. Enable appending to the file (true = keep old logs)

log4j.appender.R.append=true

# 5. Set the layout to HTMLLayout

log4j.appender.R.layout=org.apache.log4j.HTMLLayout

Case-2:

Eg: Log4jMultAppndConsoleAppndSimpleLayoutAndFileAppndHtmlLayout

# 1. Specify Logger level and multiple appenders (Console + File)

log4j.rootLogger=DEBUG, R, C

# 2. Configure ConsoleAppender with SimpleLayout

log4j.appender.C=org.apache.log4j.ConsoleAppender

log4j.appender.C.layout=org.apache.log4j.SimpleLayout

# 3. Configure FileAppender with HTMLLayout

log4j.appender.R=org.apache.log4j.FileAppender

log4j.appender.R.File=C:\\Users\\Administrator\\Downloads\\new1\\log1.html

log4j.appender.R.append=true

log4j.appender.R.layout=org.apache.log4j.HTMLLayout

Case3: working with file appender and xmllayout

Eg: Log4jFileappenderXmlLayout

# Specify Logger level and appender

log4j.rootLogger=INFO, R

# Specify FileAppender

log4j.appender.R=org.apache.log4j.FileAppender

# Specify the file to write logs

log4j.appender.R.File=C:\\Users\\Administrator\\Downloads\\new1\\info.xml

# Enable append mode

log4j.appender.R.append=true

# Specify layout as XMLLayout

log4j.appender.R.layout=org.apache.log4j.xml.XMLLayout

Case 4: For RollingFileAppender and PatternLayout

Eg: Log4jRollingFileAppenderPatternLayout

log4j.rootLogger=DEBUG, R

# Define the RollingFileAppender

log4j.appender.R=org.apache.log4j.RollingFileAppender

log4j.appender.R.File=log\_info.txt

log4j.appender.R.MaxFileSize=5KB

log4j.appender.R.MaxBackupIndex=3

log4j.appender.R.append=true

# Use PatternLayout with a detailed conversion pattern

log4j.appender.R.layout=org.apache.log4j.PatternLayout

log4j.appender.R.layout.ConversionPattern=%d{yyyy-MM-dd HH:mm:ss} %-5p %c{1} %M [%t] %L - %m%n

case 5:

eg: DailyRollingFileAppenderPatternLayout

log4j.rootLogger=DEBUG, R

# Define the DailyRollingFileAppender

log4j.appender.R=org.apache.log4j.DailyRollingFileAppender

log4j.appender.R.File=log\_info1.txt

log4j.appender.R.append=true

log4j.appender.R.datePattern='.'yyyy-MM-dd-HH-mm

# Define the layout

log4j.appender.R.layout=org.apache.log4j.PatternLayout

log4j.appender.R.layout.ConversionPattern=%d{yyyy-MM-dd HH:mm:ss} %-5p %c{1} %M [%t] %L - %m%n