**Exercise-3: Using Different Appenders**

**AppenderDemo.java**

package com.example;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class AppenderDemo {

    private static final Logger logger = LoggerFactory.getLogger(AppenderDemo.class);

    public static void main(String[] args) {

        logger.info("This is an info message.");

        logger.warn("This is a warning message.");

        logger.error("This is an error message.");

    }

}

**Logback.xml**

<configuration>

    <appender name="console" class="ch.qos.logback.core.ConsoleAppender">

        <encoder>

            <pattern>%d{HH:mm:ss.SSS} [%thread] %-5level %logger{36} - %msg%n</pattern>

        </encoder>

    </appender>

    <appender name="file" class="ch.qos.logback.core.FileAppender">

        <file>app.log</file>

        <encoder>

            <pattern>%d{HH:mm:ss.SSS} [%thread] %-5level %logger{36} - %msg%n</pattern>

        </encoder>

    </appender>

    <root level="debug">

        <appender-ref ref="console" />

        <appender-ref ref="file" />

    </root>

</configuration>

Output:

