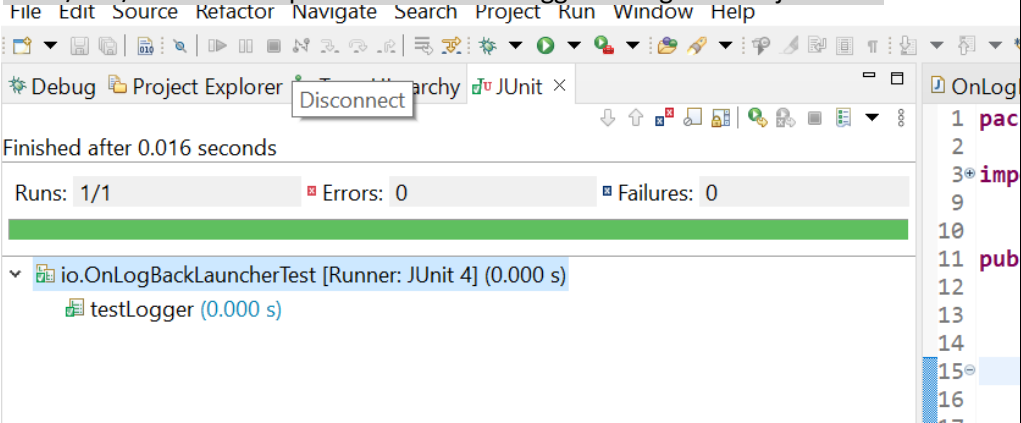


| N<br>0 | Steps                                            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Setup.txt                                        | Follow setup.txt to copy the onSpring/onSpring.properties on user.home                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2      | Dependencie                                      | You need to set in your PATH<br>C:\tools\gradle-7.5.1<br>More: <a href="https://docs.gradle.org/7.5.1/release-notes.html">https://docs.gradle.org/7.5.1/release-notes.html</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3      | Java                                             | C:\Program Files\Java\jdk-18.0.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 4      | Eclipse project                                  | Run gradle.bat eclipse. The dependencies should get sorted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 5      | Launch via eclipse                               | Using 1 run configuration:<br>io.OnLogBackLauncher                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 6      | Explanation                                      | <pre> /**  * Configuration files:  * the logger is defined in a file in <u>classpath</u>: either in logback.xml / <u>logback-test.xml</u>  * Once found the loggers are defined by 3 parts:  * - 1/ the name see a/.  * - 2/ the level  * - 3/ the appender to use: format of the line + whether log file or console to use.  * a/ <u>nameof</u> logger and package of java: If the java class starts with the package name that <u>coresponds</u> to the appender  * b/ A ladder of statuses are defined with most important level:  * error most important  * info  * debug  * trace  * So if you chose the the less important level (trace) all the more important levels for a specific appender will be written in logs of this appender.  *  */ </pre> |
| 7      | Work without configuration file with the console | <pre> <b>Logger</b>.info("We are using info logs with Olivia"); <b>Logger</b>.error("We are using error logs with Olivia"); <b>Logger</b>.debug("We are using error logs with Olivia"); <b>Logger</b>.trace("We are using error logs with Olivia"); /**  * by default it would write in the console without need for logback.xml  * configured 11:26:14.843 [main] INFO io.OnLogBackLauncher - We are using info  * logs with <u>Olivia</u> 11:26:14.852 [main] ERROR io.OnLogBackLauncher - We are </pre>                                                                                                                                                                                                                                                   |

|   |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |            | <pre>* using error logs with <u>Olivia</u> 11:26:14.852 [main] DEBUG io.OnLogBackLauncher - * We are using error logs with <u>Olivia</u> **/</pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 8 | Test junit | <p>See OnLogBackLauncherTest. Here we show why it is good to have logback-test.xml in src/test/resources to provide a different logger configured for junit test</p>  <p>The screenshot shows an IDE window with the following elements:</p> <ul style="list-style-type: none"><li><b>Menu Bar:</b> File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, Help.</li><li><b>Toolbar:</b> Standard IDE icons for file operations, navigation, and running.</li><li><b>Project Explorer:</b> Shows the project structure with a 'Disconnect' button.</li><li><b>JUnit Runner:</b> Displays 'Finished after 0.016 seconds', 'Runs: 1/1', 'Errors: 0', and 'Failures: 0'.</li><li><b>Test Results:</b> A tree view showing 'io.OnLogBackLauncherTest [Runner: JUnit 4] (0.000 s)' and its sub-item 'testLogger (0.000 s)'.</li><li><b>Background:</b> A snippet of logback-test.xml configuration is visible, showing a custom logger named 'Olivia'.</li></ul> |