**Log4J**

Log4j is a reliable, fast and flexible logging framework(ApIs) written in java, which is distributed under the apache software.

* Loggings
* For error logs
* For time Stamps
* Logfiles from previous weeks

**Use log. Error()** to log when elements are not displayed in the page or if any validations fail

**Use Log. Debug()**

When each Selenium action is performed like click, SendKeys, getText()

**Use log.info()**

When operation is successfully completed ex: After loading page, or after any successful validations

It’s just counterpart to log. Error()

**Log4J XML File Structure(Create Configuration file):**

**Where to log?: We give “Appnder Tag” to log in console or in separate file.**

**How to log?: Pattern info**

**What to log?: What kind of logs we need to print like errors or pass or trace(both pass and errors) etc..**

**After creating XML(config) file add that package to buildpath**