**What is LOG4J**

1. It is provided by APACHE
2. It is used to maintain log like application log (this means, to log informatin like successfully entered credentials, redirected on this page and so on..manually record the information) or system log or selenium log in which automate information will be recorded like server cleaning some logs are generated auto and we want to maintain them
3. create two log file i.e. "application.log" and "selenium.log"
4. It is an API, so it will be available in JAR file.
5. download API from MVNRepository.com
6. there is predefined properties file of LOG4J i.e. LOG4J.properties, either we can download from internet or get it from someone, after then put it into src folder
7. once u will open properties file, u will find two things, first section is related to selenium log and other section is related to application log
8. in the second section, specify the path of "application.log" file path (Must have double slash while specifying path). there is first property i.e. logger, after this a name is appeared, we use that name for creating the object of Logger, to maintain logs.
9. do the same in the first section for selenium.log file.
10. Code for writing application (manual write) and selenium logs (auto write)