**Logback**

1. What is the importance of logging?

* We often face errors, when we are building our application. Those are need to be debugged. Loggers are objects which trigger log events. They called in the code of the application. So we can easily get information about what is happening in the application with a record of errors and unusual circumstances.

1. What are the different log levels?

* ALL – All levels including custom levels.
* DEBUG – This should be used for information that may be needed for diagnosing issues and troubleshooting or when running application in the test environment for the purpose of making sure everything is running correctly
* INFO – Standard log level indicating that something happened, the application entered a certain state.
* WARN – Log level that indicates that something unexpected happened in the application, a problem, or a situation that might disturb one of the processes
* ERROR – Log level that should be used when the application hits an issue preventing one or more functionalities from properly functioning.
* FATAL – Log level that tells that the application encountered an event or entered a state in which one of the crucial business functionality is no longer working
* TRACE - Log level describing events showing step by step execution of your code this can be ignored during the standard operation. Useful during extended debugging sessions.

1. Checkout to the branch “spring-boot-app-v2” you created in spring boot - 2
2. Create a new branch “spring-boot-app-logback-integration”
3. Integrate logback with your spring boot application
4. Push changes to your branch
5. Submit a zip file of your code with name “spring-boot-logback-<name>-<date>”