**Logback**

1. What is the importance of logging?

* Helps Troubleshooting Bugs.
* Improves Monitoring Projects in Production Environments.
* Facilitates Debugging.
* Analyze performance of the application and optimize performance.
* Helps track the history of the events and helps to ensure compliance with regulatory requirements.

1. What are the different log levels?

DEBUG:

This log level is used for messages that provide detailed debugging information, such as variable values, method calls, and other internal details of the application's operation.

INFO:

This log level is used for informational messages that provide high-level details about the application's operation, such as successful events or important milestones. These messages are used for tracking the normal operation of an application.

WARN:

This log level is used for messages that indicate potential issues or warnings, such as deprecated features, suboptimal configurations, or other situations that may require attention. They are used to highlight potential issues that do not necessarily result in an error or failure.

ERROR:

This log level is used for messages that indicate errors or failures in the application, such as exceptions, errors in processing data, or other critical issues that require attention. These messages are typically used to indicate issues that need immediate attention and may result in the application not functioning properly.

FATAL:

This log level is used for messages that indicate severe errors or critical failures that result in the termination of the application or system. They indicate catastrophic failures that require immediate action to prevent further damage.

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>”