**10. Lombok**

1. What is Lombok?

* provides a set of user-friendly annotations that generate the code at compile time, helping the developers **save time and space and improving code readability**. We can avoid writing getters, setters, constructors, toString, equals, hashCode, and other common methods

1. What are the uses of Lombok?

* It generates the setter methods for all the non-final fields.
* It generates the getter methods for all the fields.
* It generates the toString() method implementation.
* It generates appropriate equals() and hashCode() implementations, involving the fields of class.

1. List and describe some annotations of Lombok.

* @NotNull – Lombok will generate null-check statements
* @Getter – Lombok will automatically generates default Getter
* @Setter– Lombok will automatically generates default Setter
* @ToString - Lombok will take care of generating a proper implementation of the toString() method.
* @Data – This is a shortcut annotation that combines the features of @ToString, @Getter, @Setter and @ RequiredArgsConstructor together.
* @Value - All fields are made private and final by Lombok by default.
* @NoArgsConstructor – Lombok will automatically generates Constructor with no parameters.
* @AllArgsConstructor –A constructor with one parameter for each field in a class will be generated.
* @RequiredArgsConstructor – Generates a constructor with a parameter for each field requiring special handling.