

### **Java 8 Features – 4 Marks Question Bank**

1. Define a Lambda Expression in Java. Write a Java program to sort a list of strings using a lambda expression.
2. Explain how lambda expressions improve code readability and conciseness. Give an example.
3. Write a lambda expression to check if a number is even. Demonstrate its use with the Predicate interface.
4. Discuss the difference between anonymous inner classes and lambda expressions with a simple example.
5. What is a functional interface? Give two examples of predefined functional interfaces in Java 8.
6. What problem does the Java 8 Date/Time API solve compared to the old `java.util.Date` class?
7. Write a program to display the current date, time, and date after 10 days using `LocalDate` and `LocalTime`.
8. Explain the use of `Period` and `Duration` classes in Java 8 Date/Time API with examples.
9. How can you convert a `String` to a `LocalDate` object and format it back to a custom date pattern? Give a code snippet.
10. Write a Java program that uses a `Supplier` to generate current timestamps using Java 8 Date/Time API.
11. Demonstrate how lambda expressions and functional interfaces can be used together in a stream to process a list of integers.
12. Explain how functional programming concepts in Java 8 help achieve cleaner and more maintainable code.
13. Discuss the advantages of using Java 8 features for developing real-time applications.