Expt. No.: 4a) SPOT: Implementation of Inheritance, Static Nested Class, Method Overloading and Overriding

An e-learning platform offers courses in various domains.

- **Course** is a superclass with details like course name, duration, and base fee.

- **ProgrammingCourse** and **DesignCourse** are subclasses that override the calculateFee() method to include extra lab or design kit charges.

- Implement **method overloading** in EnrollStudent() to allow enrollment with only name, or name plus discount code.

- Use a **static nested class** in Platform to manage platform policies like maximum allowed students per course.

- Use a **member inner class** in Course to represent CourseMaterial.

Write Java code to:

1. Apply **overloading** for student enrollment.

2. Apply **overriding** to customize fee calculation.

3. Use **static nested class** for platform policies.

4. Use **inner class** for course materials.