

SPOT – Expt. 2a. "Student Profile Management System"

A university plans to build a basic Student Profile Management System in Java. Each student has a unique **roll number**, **name**, and **GPA**. The administration requires a system where:

1. **A new student profile can be created using a default constructor** (where default values are assigned).
2. **A student profile can also be created by passing roll number, name, and GPA** using a parameterized constructor.
3. **There should be a way to duplicate an existing student profile into another object**, ensuring the copy has the same values. This should simulate the behavior of a **copy constructor**.
4. The rollNumber should be **private** (for security), name should be **protected**, and GPA can be **public**.
5. Include a method to display student details that adheres to access restrictions.
6. Create and display at least three student objects: one using default constructor, one using parameterized constructor, and one using copy constructor.