

```
class Person {
    private String name;
    private int id;

    public Person(String name, int id) {
        this.name = name;
        this.id = id;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public int getID() {
        return id;
    }

    public void setID(int id) {
        this.id = id;
    }
}

class Student extends Person {
    private String course;

    public Student(String name, int id, String course) {
        super(name, id);
        this.course = course;
    }

    public String getCourse() {
        return course;
    }

    public void setCourse(String course) {
        this.course = course;
    }
}
```

```

class Lecturer extends Person {
    private String programme;
    public Lecturer(String name, int id, String programme) {
        super(name, id);
        this.programme = programme;
    }

    public String getProg() {
        return programme;
    }

    public void setProg(String programme) {
        this.programme = programme;
    }
}

public class Main {
    public static void main(String[] args) {

        Student obj1= new Student("John Doe", 1001, "Computer Science");
        System.out.println("Student: " + obj1.getName());
        System.out.println("ID: " + obj1.getID());
        System.out.println("Course: " + obj1.getCourse());

        Lecturer obj2 = new Lecturer("Dr. Jane Smith", 2001, "Computer Engineering");
        System.out.println("\nLecturer: " + obj2.getName());
        System.out.println("ID: " + obj2.getID());
        System.out.println("Programme: " + obj2.getProg());
    }
}

```