class User {

String name;

User(String name) {

this.name = name;

}

void displayRole() {

System.out.println(name + " is a User.");

}

}

class Student extends User {

Student(String name) {

super(name);

}

void displayRole() {

System.out.println(name + " is a Student.");

}

}

class Instructor extends User {

Instructor(String name) {

super(name);

}

void displayRole() {

System.out.println(name + " is an Instructor.");

}

Course createCourse(String title) {

return new Course(title, this);

}

}

class Course {

String title;

Instructor instructor;

Course(String title, Instructor instructor) {

this.title = title;

this.instructor = instructor;

}

void displayRole() {

System.out.println("Course: " + title + " | Instructor: " + instructor.name);

}

}

public class Main {

public static void main(String[] args) {

Student s1 = new Student("Sri");

Instructor i1 = new Instructor("Dr. Ravi");

Course c1 = i1.createCourse("Java Basics");

s1.displayRole();

i1.displayRole();

c1.displayRole();

}

}