public class Person {

private String name;

private int age;

public Person(String name, int age) {

this.name = name;

this.age = age;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public int getAge() {

return age;

}

public void setAge(int age) {

this.age = age;

}

public void displayDetails() {

System.out.println("Name: " + name);

System.out.println("Age: " + age);

}

}

class Patient extends Person {

private String condition;

public Patient(String name, int age, String condition) {

super(name, age);

this.condition = condition;

}

public String getCondition() {

return condition;

}

public void setCondition(String condition) {

this.condition = condition;

}

@Override

public void displayDetails() {

super.displayDetails();

System.out.println("Condition: " + condition);

}

}

class Doctor extends Person {

private String specialization;

public Doctor(String name, int age, String specialization) {

super(name, age);

this.specialization = specialization;

}

public String getSpecialization() {

return specialization;

}

public void setSpecialization(String specialization) {

this.specialization = specialization;

}

@Override

public void displayDetails() {

super.displayDetails();

System.out.println("Specialization: " + specialization);

}

}

public class Hospital {

private Doctor doctor;

private Patient patient;

public void setDoctor(Doctor doctor) {

this.doctor = doctor;

}

public void setPatient(Patient patient) {

this.patient = patient;

}

public void displayHospitalDetails() {

System.out.println("Doctor Details:");

doctor.displayDetails();

System.out.println("\nPatient Details:");

patient.displayDetails();

}

}

Patient patient1 = new Patient(“Kamau Athiambo", 20, "TB");

Doctor doctor1 = new Doctor(“Kipchrichr Mwende", 55, "Cardiology");

Hospital hospital = new Hospital();

hospital.setDoctor(doctor1);

hospital.setPatient(patient1);

hospital.displayHospitalDetails();