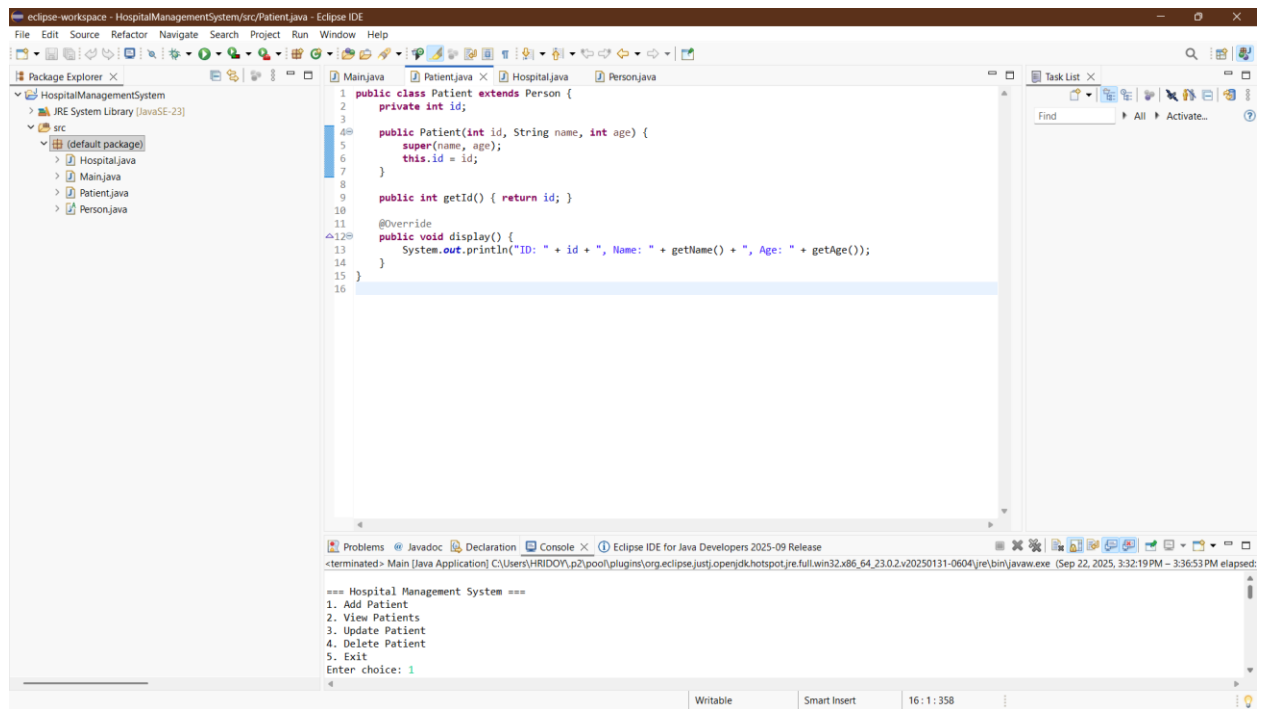


```
eclipse-workspace - HospitalManagementSystem/src/Main.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Main.java Patient.java Hospital.java Person.java

1 import java.util.Scanner;
2
3 public class Main {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6         Hospital hospital = new Hospital();
7         int choice;
8
9         while (true) {
10            System.out.println("\n=== Hospital Management System ===");
11            System.out.println("1. Add Patient");
12            System.out.println("2. View Patients");
13            System.out.println("3. Update Patient");
14            System.out.println("4. Delete Patient");
15            System.out.println("5. Exit");
16            System.out.print("Enter choice: ");
17            choice = sc.nextInt();
18
19            switch (choice) {
20                case 1:
21                    System.out.print("Enter Name: ");
22                    String name = sc.next();
23                    System.out.print("Enter Age: ");
24                    int age = sc.nextInt();
25                    hospital.addPatient(name, age);
26                    break;
27                case 2:
28                    hospital.viewPatients();
29                    break;
30                case 3:
31                    System.out.print("Enter Patient ID: ");
32                    int upId = sc.nextInt();
33                    System.out.print("Enter New Name: ");
34                    String newName = sc.next();
35                    System.out.print("Enter New Age: ");
36                    int newAge = sc.nextInt();
37                    hospital.updatePatient(upId, newName, newAge);
38                    break;
39                case 4:
40                    System.out.print("Enter Patient ID: ");
41                    int delId = sc.nextInt();
42                    hospital.deletePatient(delId);
43                    break;
44                case 5:
45                    System.out.println("Exiting...");

```



```
eclipse-workspace - HospitalManagementSystem/src/Hospital.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Mainjava Patient.java Hospital.java Personjava

1 import java.util.ArrayList;
2
3 public class Hospital {
4     private ArrayList<Patient> patients = new ArrayList<>();
5     private int nextId = 1;
6
7     public void addPatient(String name, int age) {
8         patients.add(new Patient(nextId++, name, age));
9         System.out.println("Patient added successfully!");
10    }
11
12    public void viewPatients() {
13        if (patients.isEmpty()) {
14            System.out.println("No patients found!");
15            return;
16        }
17        for (Patient p : patients) {
18            p.display();
19        }
20    }
21
22    public void updatePatient(int id, String name, int age) {
23        for (Patient p : patients) {
24            if (p.getId() == id) {
25                p.setName(name);
26                p.setAge(age);
27                System.out.println("Patient updated successfully!");
28                return;
29            }
30        }
31        System.out.println("Patient not found!");
32    }
33
34    public void deletePatient(int id) {
35        for (Patient p : patients) {
36            if (p.getId() == id) {
37                patients.remove(p);
38                System.out.println("Patient deleted successfully!");
39                return;
40            }
41        }
42        System.out.println("Patient not found!");
43    }
44 }
45
```

```
eclipse-workspace - HospitalManagementSystem/src/Person.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Main.java Patient.java Hospital.java Person.java X
1 public abstract class Person {
2     private String name;
3     private int age;
4
5     public Person(String name, int age) {
6         this.name = name;
7         this.age = age;
8     }
9
10    public String getName() { return name; }
11    public void setName(String name) { this.name = name; }
12    public int getAge() { return age; }
13    public void setAge(int age) { this.age = age; }
14
15    public abstract void display();
16 }
17
```

```
eclipse-workspace - HospitalManagementSystem/src/Main.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Problems @ Javadoc Declaration Console X Eclipse IDE for Java Developers 2025-09 Release
<terminated> Main [Java Application] C:\Users\HRIDOV\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_23.0.2.v20250131-0604\jre\

=== Hospital Management System ===
1. Add Patient
2. View Patients
3. Update Patient
4. Delete Patient
5. Exit
Enter choice: 1
Enter Name: hridoy
Enter Age: 23
Patient added successfully!

=== Hospital Management System ===
1. Add Patient
2. View Patients
3. Update Patient
4. Delete Patient
5. Exit
Enter choice: 1
Enter Name: shaif
Enter Age: 24
Patient added successfully!

=== Hospital Management System ===
1. Add Patient
2. View Patients
3. Update Patient
4. Delete Patient
5. Exit
Enter choice: 2
ID: 1, Name: hridoy, Age: 23
ID: 2, Name: shaif, Age: 24
```

```
eclipse-workspace - HospitalManagementSystem/src/Main.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
<terminated> Main [Java Application] C:\Users\HRIDOY\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_23.0.2.v20250131-0604\jre\b

=== Hospital Management System ===
1. Add Patient
2. View Patients
3. Update Patient
4. Delete Patient
5. Exit
Enter choice: 3
Enter Patient ID: 2
Enter New Name: shaifur
Enter New Age: 25
Patient updated successfully!

=== Hospital Management System ===
1. Add Patient
2. View Patients
3. Update Patient
4. Delete Patient
5. Exit
Enter choice: 2
ID: 1, Name: hridoy, Age: 23
ID: 2, Name: shaifur, Age: 25

=== Hospital Management System ===
1. Add Patient
2. View Patients
3. Update Patient
4. Delete Patient
5. Exit
Enter choice: 4
Enter Patient ID: 1
Patient deleted successfully!

=== Hospital Management System ===
1. Add Patient
2. View Patients
3. Update Patient
4. Delete Patient
5. Exit
Enter choice: 2
ID: 2, Name: shaifur, Age: 25

=== Hospital Management System ===
1. Add Patient
2. View Patients
3. Update Patient
4. Delete Patient
5. Exit
Enter choice: 5
Exiting...
|
```