```java
package hospitalmanagement;

import java.sql.*;

import java.util.*;

public class fig {

static String DB_URL = "jdbc:Mysql://localhost:3306/hospitaldetails";

  static String USER = "root";

  static String PASSWORD = "dharani24";


  public static void main(String[] args) {

    try {


      Class.forName("com.mysql.cj.jdbc.Driver");


      Connection con = DriverManager.getConnection(DB_URL, USER, PASSWORD);

      Statement stmt = con.createStatement();


      // Create table

      String createTableQuery = "CREATE TABLE  hospitalsmang("

          + "id VARCHAR(20) NOT NULL,"

          + "name VARCHAR(50) NOT NULL,"

          + "weight VARCHAR(50) NOT NULL,"

          + "age VARCHAR(50) NOT NULL,"

          + "consultantdoctor VARCHAR(70) NOT NULL,"

          + "medicalcomments VARCHAR(70) NOT NULL)";

      stmt.executeUpdate(createTableQuery);

      System.out.println("Table created successfully!");


      Scanner sc = new Scanner(System.in);

      int ch = -1;


      while (ch != 0) {

        System.out.println("\n----- HOSPITAL MANAGEMENT SYSTEM -----");
```

```java
System.out.println("1. Add a new patient");

System.out.println("2. Update patient weight");

System.out.println("3. Update patient age");

System.out.println("4. Delete a patient record");

System.out.println("5. Show All patients");

System.out.println("6. Exit");

System.out.print("Enter your choice: ");

ch = sc.nextInt();

sc.nextLine();


switch (ch) {
    case 1:

        // Add a patient detail
      System.out.print("enter the number of patients:");
      int n=sc.nextInt();
      sc.nextLine();
        for(int i=0;i<n;i++)
        {
        System.out.print("Enter patient id: ");
            String id = sc.nextLine();
            System.out.print("Enter patient name: ");
            String name = sc.nextLine();
            System.out.print("Enter patient weight: ");
            String weight = sc.nextLine();
            System.out.print("Enter patient age: ");
            String age = sc.nextLine();
            System.out.print("Enter consultant doctor: ");
            String consultantdoctor = sc.nextLine();
            System.out.print("Enter medical comments: ");
            String medicalcomments = sc.nextLine();
            String insertQuery = "INSERT INTO hospitalsmang
(id,name,weight,age,consultantdoctor,medicalcomments) VALUES (?,?, ?, ?, ?, ?)";
                PreparedStatement insertStmt = con.prepareStatement(insertQuery);
```

```java
                insertStmt.setString(1,id);

                insertStmt.setString(2, name);

                insertStmt.setString(3, weight);

                insertStmt.setString(4, age);

                insertStmt.setString(5, consultantdoctor);

                insertStmt.setString(6, medicalcomments);

                insertStmt.executeUpdate();

            }

                System.out.println("Patient name added successfully!");

            break;


        case 2:

            // Update patient weight

            System.out.print("Enter patient ID to update weight: ");

            String id1 = sc.nextLine();

            System.out.print("Enter new weight: ");

            String newweight = sc.nextLine();


                PreparedStatement updateStmt = con.prepareStatement("UPDATE
hospitalsmang SET weight="+newweight+" where id="+id1+";");


            int rowsUpdated = updateStmt.executeUpdate();

            if (rowsUpdated > 0) {

                System.out.println("Weight updated successfully!");

            } else {

                System.out.println("Patient id not found!");

            }

            break;

        case 3:

            // Update  patient age

            System.out.print("Enter patient ID to update age: ");

            String id4 = sc.nextLine();

            System.out.print("Enter new age: ");
```

```java
        String newage = sc.nextLine();

        String updateQuery1 = "UPDATE hospitalsmang SET age = ? WHERE id = ?";

        PreparedStatement updateStmt1 = con.prepareStatement(updateQuery1);

        updateStmt1.setString(1, newage);

        updateStmt1.setString(2, id4);

        int rowsUpdated1 = updateStmt1.executeUpdate();

        if (rowsUpdated1 > 0) {

            System.out.println("Patient age updated successfully!");

        } else {

            System.out.println("Patient id  not found!");

        }

        break;


case 4:

    // Delete a patient record

    System.out.print("Enter patient ID to delete: ");

    String delpatid = sc.nextLine();

    String delQuery = "DELETE FROM hospitalsmang WHERE id = ?";

    PreparedStatement deleteStmt = con.prepareStatement(delQuery);

    deleteStmt.setString(1, delpatid);

    int rowsDeleted = deleteStmt.executeUpdate();

    if (rowsDeleted > 0) {

        System.out.println("Patient record  deleted successfully!");

    } else {

        System.out.println("Patient id found!");

    }

    break;


case 5:

    // Show all patients

    String selectQuery = "SELECT * FROM hospitalsmang";

    ResultSet resultSet = stmt.executeQuery(selectQuery);
```

```java
                if (!resultSet.isBeforeFirst()) {

                    System.out.println("No Patient record found!");

                }

                else

                {

                    System.out.print("                                        ----- PATIENT DETAILS -
----               ");

                    System.out.println();

                    System.out.print("\n----------------------------------------------------------------
--------------------------------------------------------------\n");

                    String output = String.format("%-20s%-20s%-20s%-20s%-20s%s", "ID",
"Name","Weight","Age","Consultantdoctor","Medicalcomments");

                    System.out.print(output);

                    System.out.print("\n----------------------------------------------------------------
--------------------------------------------------------------\n");

                    System.out.println();

                    while (resultSet.next())

                    {

                     String output1 = String.format("%-20s%-20s%-20s%-20s%-
20s%s",resultSet.getString(1)
,resultSet.getString(2),resultSet.getString(3),resultSet.getString(4),resultSet.getString(5),resultSet.get
String(6));

                    System.out.print(output1);

                     System.out.println();

                    }

                    System.out.print("\n----------------------------------------------------------------
--------------------------------------------------------------\n");

                }

                break;


            case 6:

             //exit program

                System.out.println("Exiting the program.");

                break;
```

```java
                default:

                    //invalid choice

                        System.out.println("Invalid choice! Please try again.");

                }

            }


        con.close();
        } catch (ClassNotFoundException e)

        {

            e.printStackTrace();

        } catch (SQLException e) {

            e.printStackTrace();

        }

    }

}
```

OUTPUT:

```
6. Exit
Enter your choice: 1
enter the number of patients:4
Enter patient id: 545
Enter patient name: Dharani
Enter patient weight: 40
Enter patient age: 20
Enter consultant doctor: Dr.Sheela
Enter medical comments: Back Pain
Enter patient id: 546
Enter patient name: Stella
Enter patient weight: 45
Enter patient age: 32
Enter consultant doctor: Dr.Sowmya
Enter medical comments: Diabetes
Enter patient id: 547
Enter patient name: Sridhar
Enter patient weight: 45
Enter patient age: 27
Enter consultant doctor: Dr.Rajapandian
Enter medical comments: Stomach pain
Enter patient id: 548
Enter patient name: Farina
Enter patient weight: 38
Enter patient age: 25
Enter consultant doctor: Dr.Ramya
Enter medical comments: Fever
Patient name added successfully!

----- HOSPITAL MANAGEMENT SYSTEM -----
1. Add a new patient
2. Update patient weight
3. Update patient age
4. Delete a patient record
5. Show All patients
6. Exit
Enter your choice:
```

```
Enter patient id: 548
Enter patient name: Farina
Enter patient weight: 38
Enter patient age: 25
Enter consultant doctor: Dr.Ramya
Enter medical comments: Fever
Patient name added successfully!

----- HOSPITAL MANAGEMENT SYSTEM -----
1. Add a new patient
2. Update patient weight
3. Update patient age
4. Delete a patient record
5. Show All patients
6. Exit
Enter your choice: 5
                            ----- PATIENT DETAILS -----
-------------------------------------------------------------------------------------------------
ID              Name            Weight          Age             Consultantdoctor    Medicalcomments
-------------------------------------------------------------------------------------------------

545             Dharani         40              20              Dr.Sheela           Back Pain
546             Stella          45              32              Dr.Sowmya           Diabetes
547             Sridhar         45              27              Dr.Rajapandian      Stomach pain
548             Farina          38              25              Dr.Ramya            Fever

-------------------------------------------------------------------------------------------------

----- HOSPITAL MANAGEMENT SYSTEM -----
1. Add a new patient
2. Update patient weight
3. Update patient age
4. Delete a patient record
5. Show All patients
6. Exit
Enter your choice:
```

```
----- HOSPITAL MANAGEMENT SYSTEM -----
1. Add a new patient
2. Update patient weight
3. Update patient age
4. Delete a patient record
5. Show All patients
6. Exit
Enter your choice: 2
Enter patient ID to update weight: 545
Enter new weight: 42
Weight updated successfully!
```

```
----- HOSPITAL MANAGEMENT SYSTEM -----
1. Add a new patient
2. Update patient weight
3. Update patient age
4. Delete a patient record
5. Show All patients
6. Exit
Enter your choice: 3
Enter patient ID to update age: 548
Enter new age: 27
Patient age updated successfully!
```

```
Enter your choice: 4
Enter patient ID to delete: 546
Patient record  deleted successfully!

----- HOSPITAL MANAGEMENT SYSTEM -----
1. Add a new patient
2. Update patient weight
3. Update patient age
4. Delete a patient record
5. Show All patients
6. Exit
Enter your choice: 5
                            ----- PATIENT DETAILS -----
-------------------------------------------------------------------------------------------------
ID              Name            Weight          Age             Consultantdoctor    Medicalcomments
-------------------------------------------------------------------------------------------------

545             Dharani         42              20              Dr.Sheela           Back Pain
547             Sridhar         45              27              Dr.Rajapandian      Stomach pain
548             Farina          38              27              Dr.Ramya            Fever

-------------------------------------------------------------------------------------------------
```