package hosp\_manage;

import java.sql.\*;

import java.util.Scanner;

public class Hospt {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String url="jdbc:mysql://localhost:3306/my\_db";

String user="root";

String password="Priya@66";

while (true) {

System.out.println("Hospital Management System");

System.out.println("1. Get Average Patient Count");

System.out.println("2. Get Patients in Same Ward");

System.out.println("3. Get Patients by Admission Date");

System.out.println("4. Book Appointment");

System.out.println("5. Exit");

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

int choice = sc.nextInt();

sc.nextLine();

switch (choice) {

case 1:

getCount(url, user, password);

break;

case 2:

getSameWard(url, user, password);

break;

case 3:

getAdmissionDate(url, user, password);

break;

case 4:

bookAppointment(sc, url, user, password);

break;

case 5:

System.exit(0);

break;

default:

System.out.println("Invalid choice");

}

}

}

public static void getCount(String url, String user, String password) {

try (Connection con = DriverManager.getConnection(url, user, password);

CallableStatement cs=con.prepareCall("CALL getcount()")) {

ResultSet rs = cs.executeQuery();

if (rs.next()) {

System.out.println("Average patient count on daily basis"+rs.getDouble("average\_patient\_count"));

}

} catch (Exception e) {

e.printStackTrace();

}

}

public static void getSameWard(String url, String user, String password) {

try (Connection con=DriverManager.getConnection(url, user, password);

CallableStatement cs=con.prepareCall("CALL getpward()")) {

ResultSet rs=cs.executeQuery();

while (rs.next()) {

System.out.println("Ward"+rs.getString("ward")+"Patients"+rs.getString("patients"));

}

} catch (Exception e) {

e.printStackTrace();

}

}

public static void getAdmissionDate(String url, String user, String password) {

try (Connection con=DriverManager.getConnection(url, user, password);

CallableStatement cs=con.prepareCall("CALL getadmission()")) {

ResultSet rs=cs.executeQuery();

while (rs.next()) {

System.out.println("Patient ID"+rs.getInt("p\_id")+"Name"+rs.getString("name")+"Admission Date"+rs.getDate("admiss\_date"));

}

} catch (Exception e) {

System.out.println("Error fetching data");

e.printStackTrace();

}

}

public static void bookAppointment(Scanner sc, String url, String user, String password) {

try (Connection con=DriverManager.getConnection(url, user, password)) {

System.out.print("Enter Patient ID: ");

int patientId = sc.nextInt();

sc.nextLine();

System.out.print("Enter Appointment Date (YYYY-MM-DD): ");

String appoiDate=sc.nextLine();

System.out.print("Enter Admission Date (YYYY-MM-DD): ");

String admissDate = sc.nextLine();

String sql="insert into appoin (p\_id, appoi\_date, admiss\_date) VALUES (?, ?, ?)";

PreparedStatement ps = con.prepareStatement(sql);

ps.setInt(1, patientId);

ps.setDate(2, Date.valueOf(appoiDate));

ps.setDate(3, Date.valueOf(admissDate));

ps.executeUpdate();

System.out.println("Appointment booked.");

} catch (Exception e) {

e.printStackTrace();

}

}

}