```
1. Write a Java program to connect to a MySQL database using JDBC.
Program:
package JDBC_conn;
import java.sql.Connection;
import java.sql.DriverManager;
public class DB_Conn {
  public static void main(String[] args) {
    String url = "jdbc:mysql://localhost:3306/mydb";
    String user = "root";
    String password = "798167";
    try {
      // Load MySQL JDBC Driver
      Class.forName("com.mysql.cj.jdbc.Driver");
      // Establish connection
      Connection con = DriverManager.getConnection(url, user, password);
      System.out.println("Connection created");
      // Close connection
      con.close();
    } catch (Exception e) {
      e.printStackTrace();
    }
  }
}
Output: Connection created
2. Create a Java class to insert student records into a database table.
Program:
package JDBC_conn;
import java.sql.*;
```

```
public class Insert_data {
  public static void main(String[] args) {
    String url = "jdbc:mysql://localhost:3306/mydb";
    String user = "root";
    String password = "798167";
    try {
      Class.forName("com.mysql.cj.jdbc.Driver");
      Connection con = DriverManager.getConnection(url, user, password);
      String query = "INSERT INTO student(id, name, percentage) VALUES (1, 'Dev', 85.5)";
      Statement st = con.createStatement();
      int rows = st.executeUpdate(query);
      System.out.println(rows + " record inserted successfully!");
      con.close();
    } catch (Exception e) {
      e.printStackTrace();
    }
  }
}
Output: 1 record inserted successfully
3. Write a JDBC program to fetch and display all student records from the database.
Program:
package JDBC_conn;
import java.sql.*;
public class Fetch_data {
  public static void main(String[] args) {
    String url = "jdbc:mysql://localhost:3306/mydb";
    String user = "root";
    String password = "798167";
    try {
```

```
Connection con = DriverManager.getConnection(url, user, password);
      String query = "SELECT * FROM student";
      Statement st = con.createStatement();
      ResultSet rs = st.executeQuery(query);
      while (rs.next()) {
         System.out.println("ID: " + rs.getInt("id") +
                   ", Name: " + rs.getString("name") +
                   ", Percentage: " + rs.getDouble("percentage"));
      }
      con.close();
    } catch (Exception e) {
      e.printStackTrace();
    }
  }
}
Output: ID: 1, Name: Dev, Percentage: 85.5
4. Develop a program to search a student by ID using JDBC.
Program:
package JDBC_conn;
import java.sql.*;
public class Search {
  public static void main(String[] args) {
    String url = "jdbc:mysql://localhost:3306/mydb";
    String user = "root";
    String password = "798167";
    try {
      Class.forName("com.mysql.cj.jdbc.Driver");
```

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

```
Connection con = DriverManager.getConnection(url, user, password);
      int searchId = 1;
      String query = "SELECT * FROM student WHERE id = " + searchId;
      Statement st = con.createStatement();
      ResultSet rs = st.executeQuery(query);
      if (rs.next()) {
        System.out.println("ID: " + rs.getInt("id") +
                   ", Name: " + rs.getString("name") +
                   ", Percentage: " + rs.getDouble("percentage"));
      } else {
        System.out.println("No student found with ID " + searchId);
      }
      con.close();
    } catch (Exception e) {
      e.printStackTrace();
    }
Output: ID: 1, Name: Dev, Percentage: 85.5
5. Implement an update operation to modify student details in the database using JDBC.
Program:
package JDBC_conn;
import java.sql.*;
public class UpdateStudent {
  public static void main(String[] args) {
    String url = "jdbc:mysql://localhost:3306/mydb";
    String user = "root";
    String password = "798167";
```

}

}

```
Class.forName("com.mysql.cj.jdbc.Driver");
      Connection con = DriverManager.getConnection(url, user, password);
      String query = "UPDATE student SET percentage = 90.0 WHERE id = 1";
      Statement st = con.createStatement();
      int rows = st.executeUpdate(query);
      System.out.println(rows + " record updated successfully!");
      con.close();
    } catch (Exception e) {
      e.printStackTrace();
    }
  }
}
Output: 1 record updated successfully!
6. Write a Java program to delete a student record from the database using JDBC.
Program:
package JDBC_conn;
import java.sql.*;
public class DeleteStudent {
  public static void main(String[] args) {
    String url = "jdbc:mysql://localhost:3306/mydb";
    String user = "root";
    String password = "798167";
    try {
      Class.forName("com.mysql.cj.jdbc.Driver");
      Connection con = DriverManager.getConnection(url, user, password);
      String query = "DELETE FROM student WHERE id = 1";
      Statement st = con.createStatement();
      int rows = st.executeUpdate(query);
```

try {

```
System.out.println(rows + " record deleted successfully!");
      con.close();
    } catch (Exception e) {
      e.printStackTrace();
    }
  }
}
Output: 1 record deleted successfully!
7. Design a Java application to perform all CRUD (Create, Read, Update, Delete) operations on an
Employee table using JDBC.
Program:
package JDBC_conn;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
import java.sql.ResultSet;
public class CRUD_operations{
  public static void main(String[] args) {
    String url = "jdbc:mysql://localhost:3306/mydb";
    String user = "root";
    String password = "798167";
    try {
      Class.forName("com.mysql.cj.jdbc.Driver");
      Connection con = DriverManager.getConnection(url, user, password);
      System.out.println("Connection created");
      Statement stmt = con.createStatement();
      String insertQuery = "INSERT INTO emp VALUES (7, 'Rohit', 55000)";
      int rowsInserted = stmt.executeUpdate(insertQuery);
      System.out.println("Rows Inserted: " + rowsInserted);
      System.out.println("Employee Records");
```

```
ResultSet rs = stmt.executeQuery("SELECT * FROM emp");
      while (rs.next()) {
        System.out.println(rs.getInt("id") + " | " +
                   rs.getString("name") + " | " +
                   rs.getInt("salary"));
      }
      String updateQuery = "UPDATE emp SET salary = 60000 WHERE id = 2";
      int rowsUpdated = stmt.executeUpdate(updateQuery);
      System.out.println("Rows Updated: " + rowsUpdated);
      String deleteQuery = "DELETE FROM emp WHERE id = 6";
      int rowsDeleted = stmt.executeUpdate(deleteQuery);
      System.out.println("Rows Deleted: " + rowsDeleted);
      con.close();
    } catch (Exception e) {
      e.printStackTrace();
    }
  }
}
Output: Connection created
Rows Inserted: 1
Employee Records
1 | Dev | 80000
2 | Yoga | 90000
3 | Muktha | 85000
4 | Dev | 95000
5 | Yoga | 100000
6 | Sai | 75000
7 | Rohit | 55000
Rows Updated: 1
Rows Deleted: 1
```

8. Create a JDBC-based program to count the total number of rows in a table.

```
Program:
package JDBC_conn;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
public class CountRows {
  public static void main(String[] args) {
    String url = "jdbc:mysql://localhost:3306/mydb";
    String user = "root";
    String password = "798167";
    try {
      Class.forName("com.mysql.cj.jdbc.Driver");
      Connection con = DriverManager.getConnection(url, user, password);
      System.out.println("Connection created");
      Statement stmt = con.createStatement();
      ResultSet rs = stmt.executeQuery("SELECT COUNT(*) AS total FROM emp");
      if (rs.next()) {
        System.out.println("rows:" + rs.getInt("total"));
      }
      con.close();
    } catch (Exception e) {
      e.printStackTrace();
    }
  }
}
Output: Connection created
rows:6
```

9. Develop a program to sort student data in ascending order by name using SQL in JDBC. Program: package JDBC_conn; import java.sql.*; public class SortStudents { public static void main(String[] args) { String url = "jdbc:mysql://localhost:3306/mydb"; String user = "root"; String password = "798167"; try { Class.forName("com.mysql.cj.jdbc.Driver"); Connection con = DriverManager.getConnection(url, user, password); String query = "SELECT * FROM student ORDER BY name ASC"; Statement stmt = con.createStatement(); ResultSet rs = stmt.executeQuery(query); System.out.println("ID\tName\t\tPercentage"); while (rs.next()) { System.out.println(rs.getInt("id") + "\t" + rs.getString("name") + "\t\t" + rs.getFloat("percentage")); } con.close(); } catch (Exception e) {

e.printStackTrace();

}

}

}

Output:

ID	Name	Percentage
5	Arun	70.0
1	Dev	80.5
3	Muktha	75.0
4	Sai	88.5
2	Yoga	90.0

10. Write a program to display all students whose percentage is greater than 75 using JDBC and SQL WHERE clause.

```
Program:
package JDBC_conn;
import java.sql.*;
public class Student_Cond {
  public static void main(String[] args) {
    String url = "jdbc:mysql://localhost:3306/mydb";
    String user = "root";
    String password = "798167";
    try {
      Class.forName("com.mysql.cj.jdbc.Driver");
      Connection con = DriverManager.getConnection(url, user, password);
      String query = "SELECT * FROM student WHERE percentage > 75";
      Statement stmt = con.createStatement();
      ResultSet rs = stmt.executeQuery(query);
      System.out.println("ID\tName\t\tPercentage");
      while (rs.next()) {
        System.out.println(rs.getInt("id") + "\t" +
```

```
rs.getString("name") + "\t\t" +
                   rs.getFloat("percentage"));
      }
      con.close();
    } catch (Exception e) {
      e.printStackTrace();
    }
  }
}
Output:
ID Name
                    Percentage
1 Dev
                    80.5
2 Yoga
                   90.0
4 Sai
                    88.5
11. Use PreparedStatement to insert multiple student records into the database.
Program:
package JDBC_conn;
import java.sql.*;
import java.util.Scanner;
public class PSInsert {
  public static void main(String[] args) {
    String url = "jdbc:mysql://localhost:3306/mydb";
    String user = "root";
    String password = "798167";
    Scanner sc = new Scanner(System.in);
    try {
      Class.forName("com.mysql.cj.jdbc.Driver");
      Connection con = DriverManager.getConnection(url, user, password);
      String query = "INSERT INTO student (id, name, percentage) VALUES (?, ?, ?)";
```

```
System.out.print("Enter number of students to insert: ");
       int n = sc.nextInt();
       sc.nextLine();
       for (int i = 1; i \le n; i++) {
         System.out.println("Enter details for student " + i);
         System.out.print("ID: ");
         int id = sc.nextInt();
         sc.nextLine();
         System.out.print("Name: ");
         String name = sc.nextLine();
         System.out.print("Percentage: ");
         float perc = sc.nextFloat();
         sc.nextLine();
         pstmt.setInt(1, id);
         pstmt.setString(2, name);
         pstmt.setFloat(3, perc);
         pstmt.executeUpdate();
      }
       System.out.println("Records inserted successfully!");
       con.close();
    } catch (Exception e) {
      e.printStackTrace();
    }
    sc.close();
  }
Output: Enter number of students to insert: 2
Enter details for student 1
ID: 6
```

}

PreparedStatement pstmt = con.prepareStatement(query);

```
Name: Kiran
Percentage: 78.5
Enter details for student 2
ID: 7
Name: Priya
Percentage: 88.0
Records inserted successfully!
12. Implement a program using transaction management in JDBC (i.e., commit and rollback).
Program:
package JDBC_conn;
import java.sql.*;
public class Transaction {
  public static void main(String[] args) {
    String url = "jdbc:mysql://localhost:3306/mydb";
    String user = "root";
    String password = "798167";
    try {
      Class.forName("com.mysql.cj.jdbc.Driver");
      Connection con = DriverManager.getConnection(url, user, password);
      con.setAutoCommit(false);
      String query = "INSERT INTO student (id, name, percentage) VALUES (?, ?, ?)";
      PreparedStatement pstmt = con.prepareStatement(query);
      pstmt.setInt(1, 8);
      pstmt.setString(2, "Anjali");
      pstmt.setFloat(3, 82.5f);
      pstmt.executeUpdate();
```

```
pstmt.setString(2, "Rahul");
      pstmt.setFloat(3, 91.0f);
      pstmt.executeUpdate();
      con.commit();
      System.out.println("Both records inserted successfully!");
      con.close();
    } catch (Exception e) {
      System.out.println("Error occurred: " + e.getMessage());
      try {
         Connection con = DriverManager.getConnection(url, user, password);
         con.rollback();
         System.out.println("Transaction rolled back.");
      } catch (SQLException se) {
         se.printStackTrace();
      }
    }
  }
}
Output: Error occurred: Duplicate entry '8' for key 'PRIMARY'
Transaction rolled back.
13. Write a JDBC program to handle exceptions (like invalid ID, connection errors) gracefully.
Program:
package JDBC_conn;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
```

pstmt.setInt(1, 8);

```
public class ExceptionHandle {
  public static void main(String[] args) throws ClassNotFoundException {
    String url = "jdbc:mysql://localhost:3306/myd";
    String user = "root";
    String password = "798167";
    try {
      Class.forName("com.mysql.cj.jdbc.Driver");
      Connection con = DriverManager.getConnection(url, user, password);
      System.out.println("Connection created");
      Statement stmt = con.createStatement();
      ResultSet rs = stmt.executeQuery("SELECT * FROM emp WHERE salary > 40000");
      System.out.println("\nEmployees");
      while (rs.next()) {
         System.out.println(rs.getInt("id") + " | " +
                   rs.getString("name") + " | " +
                   rs.getInt("salary"));
      }
      con.close();
    } catch (SQLException e) {
      System.out.println("Database not found");
    }
  }
}
Output: Database not found
14. Create a login system using JDBC where user credentials are verified from the database.
Program:
package JDBC_conn;
import java.sql.*;
import java.util.*;
```

```
public class Login {
  public static void main(String[] args) {
    Scanner sc = new Scanner(System.in);
    System.out.print("Enter username: ");
    String username = sc.nextLine();
    System.out.print("Enter password: ");
    String password = sc.nextLine();
    try {
      // 1. Load and register JDBC driver
      Class.forName("com.mysql.cj.jdbc.Driver");
      // 2. Connect to DB
      Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/mydb",
"root", "798167");
      // 3. Create PreparedStatement
      String query = "select * from users where username = ? and password = ?";
      PreparedStatement pstmt = con.prepareStatement(query);
      pstmt.setString(1, username);
      pstmt.setString(2, password);
      // 4. Execute query
      ResultSet rs = pstmt.executeQuery();
      if (rs.next()) {
        System.out.println("Login Successful!");
      } else {
        System.out.println("Invalid username or password.");
      }
      // 5. Close connections
      rs.close();
      pstmt.close();
      con.close();
    } catch (Exception e) {
      e.printStackTrace();
```

```
}
    sc.close();
  }
}
Ouput: Enter username: admin
Enter password: admin123
Login Successful!
15. Implement a Java application to take dynamic input from the user and perform insertion,
search, or update using menu-driven logic.
Program:
package JDBC_conn;
import java.sql.*;
import java.util.Scanner;
public class Test1 {
  public static void main(String[] args) {
    String url = "jdbc:mysql://localhost:3306/mydb";
    String user = "root";
    String password = "798167";
    Scanner sc = new Scanner(System.in);
    Connection con = null;
    try {
      Class.forName("com.mysql.cj.jdbc.Driver");
      con = DriverManager.getConnection(url, user, password);
      int choice;
      do {
         System.out.println("\nMENU ");
         System.out.println("1. Insert Student");
         System.out.println("2. Search Student by ID");
         System.out.println("3. Update Student Percentage");
```

```
System.out.println("4. Exit");
System.out.print("Enter choice: ");
choice = sc.nextInt();
sc.nextLine();
switch (choice) {
  case 1:
    System.out.print("Enter ID: ");
    int id = sc.nextInt();
    sc.nextLine();
    System.out.print("Enter Name: ");
    String name = sc.nextLine();
    System.out.print("Enter Percentage: ");
    float perc = sc.nextFloat();
    String insertSQL = "INSERT INTO students (id, name, percentage) VALUES (?, ?, ?)";
    try (PreparedStatement pstmt = con.prepareStatement(insertSQL)) {
      pstmt.setInt(1, id);
      pstmt.setString(2, name);
      pstmt.setFloat(3, perc);
      int rows = pstmt.executeUpdate();
      System.out.println(rows + " record(s) inserted.");
    }
    break;
  case 2:
    System.out.print("Enter Student ID to search: ");
    int searchId = sc.nextInt();
    String searchSQL = "SELECT * FROM students WHERE id = ?";
    try (PreparedStatement pstmt = con.prepareStatement(searchSQL)) {
      pstmt.setInt(1, searchId);
      ResultSet rs = pstmt.executeQuery();
```

```
if (rs.next()) {
      System.out.println("ID: " + rs.getInt("id"));
      System.out.println("Name: " + rs.getString("name"));
      System.out.println("Percentage: " + rs.getFloat("percentage"));
    } else {
      System.out.println("Student not found.");
    }
  }
  break;
case 3:
  System.out.print("Enter Student ID to update: ");
  int updateId = sc.nextInt();
  System.out.print("Enter new Percentage: ");
  float newPerc = sc.nextFloat();
  String updateSQL = "UPDATE students SET percentage = ? WHERE id = ?";
  try (PreparedStatement pstmt = con.prepareStatement(updateSQL)) {
    pstmt.setFloat(1, newPerc);
    pstmt.setInt(2, updateId);
    int rowsUpdated = pstmt.executeUpdate();
    System.out.println(rowsUpdated + " record(s) updated.");
  }
  break;
case 4:
  System.out.println("Exiting program...");
  break;
default:
  System.out.println("Invalid choice! Try again.");
```

```
}
      } while (choice != 4);
    } catch (Exception e) {
      System.out.println("Error: " + e);
    }
  }
}
Output: MENU
1. Insert Student
2. Search Student by ID
3. Update Student Percentage
4. Exit
Enter choice: 2
Enter Student ID to search: 2
ID: 2
Name: Yoga
Percentage: 82.3
MENU
1. Insert Student
2. Search Student by ID
3. Update Student Percentage
4. Exit
Enter choice: 4
Exiting Program...
16. Design the schema for a Library Management System and write JDBC programs for:
Adding a book, Viewing all books, Issuing a book to a member, Returning a book
Program:
package JDBC_conn;
import java.sql.*;
```

```
import java.util.Scanner;
public class Library {
  public static void main(String[] args) {
    String url = "jdbc:mysql://localhost:3306/mydb";
    String user = "root";
    String password = "798167";
    Scanner sc = new Scanner(System.in);
    Connection con = null;
    try {
      Class.forName("com.mysql.cj.jdbc.Driver");
      con = DriverManager.getConnection(url, user, password);
      int choice;
      do {
         System.out.println("\nLIBRARY MENU");
         System.out.println("1. Add Book");
         System.out.println("2. View All Books");
         System.out.println("3. Issue Book");
         System.out.println("4. Return Book");
         System.out.println("5. Exit");
         System.out.print("Enter choice: ");
         choice = sc.nextInt();
         sc.nextLine();
         switch (choice) {
           case 1:
             System.out.print("Enter Book ID: ");
             int id = sc.nextInt();
             sc.nextLine();
             System.out.print("Enter Title: ");
```

```
String title = sc.nextLine();
             System.out.print("Enter Author: ");
             String author = sc.nextLine();
             String insertSQL = "INSERT INTO books (book_id, title, author, available) VALUES (?,
?, ?, TRUE)";
             try (PreparedStatement pstmt = con.prepareStatement(insertSQL)) {
               pstmt.setInt(1, id);
               pstmt.setString(2, title);
               pstmt.setString(3, author);
               int rows = pstmt.executeUpdate();
               System.out.println(rows + " book(s) added.");
             }
             break;
           case 2:
             String viewSQL = "SELECT * FROM books";
             try (Statement stmt = con.createStatement();
                ResultSet rs = stmt.executeQuery(viewSQL)) {
               System.out.println("\n--- Book List ---");
               while (rs.next()) {
                  System.out.printf("%d | %s | %s | %s%n",
                      rs.getInt("book_id"),
                      rs.getString("title"),
                      rs.getString("author"),
                      rs.getBoolean("available") ? "Available" : "Issued");
               }
             }
             break;
```

```
case 3:
  System.out.print("Enter Book ID to issue: ");
  int issueId = sc.nextInt();
  String checkSQL = "SELECT available FROM books WHERE book_id = ?";
  try (PreparedStatement pstmt = con.prepareStatement(checkSQL)) {
    pstmt.setInt(1, issueId);
    ResultSet rs = pstmt.executeQuery();
    if (rs.next()) {
      if (rs.getBoolean("available")) {
        String issueSQL = "UPDATE books SET available = FALSE WHERE book_id = ?";
        try (PreparedStatement upstmt = con.prepareStatement(issueSQL)) {
           upstmt.setInt(1, issueId);
           upstmt.executeUpdate();
           System.out.println("Book issued successfully.");
        }
      } else {
        System.out.println("Book is already issued.");
      }
    } else {
      System.out.println("Book not found.");
    }
  }
  break;
case 4:
  System.out.print("Enter Book ID to return: ");
  int returnId = sc.nextInt();
  String returnSQL = "UPDATE books SET available = TRUE WHERE book_id = ?";
  try (PreparedStatement pstmt = con.prepareStatement(returnSQL)) {
```

```
pstmt.setInt(1, returnId);
               int updated = pstmt.executeUpdate();
               if (updated > 0) {
                  System.out.println("Book returned successfully.");
               } else {
                 System.out.println("Book not found.");
               }
             }
             break;
           case 5:
             System.out.println("Exiting Library System...");
             break;
           default:
             System.out.println("Invalid choice! Try again.");
        }
      } while (choice != 5);
    } catch (Exception e) {
      System.out.println("Error: " + e);
    }
  }
}
Output:
LIBRARY MENU
1. Add Book
2. View All Books
3. Issue Book
4. Return Book
```

```
5. Exit
Enter choice: 2
--- Book List ---
1 | Java Programming | James Gosling | Available
2 | Effective Java | Joshua Bloch | Available
3 | Clean Code | Robert C. Martin | Available
LIBRARY MENU
1. Add Book
2. View All Books
3. Issue Book
4. Return Book
5. Exit
Enter choice: 5
Exiting Library System...
17. Create a Hospital Management System database. Using JDBC, implement:
Register new patient, Assign doctor, Generate billing
Program:
package JDBC_conn;
import java.sql.*;
public class HospitalManagement {
  public static void main(String[] args) {
    String url = "jdbc:mysql://localhost:3306/mydb";
    String user = "root";
    String password = "798167";
    try (Connection con = DriverManager.getConnection(url, user, password)) {
```

```
Class.forName("com.mysql.cj.jdbc.Driver");
String insertPatient = "INSERT INTO patient VALUES (?, ?, ?, ?)";
try (PreparedStatement ps = con.prepareStatement(insertPatient)) {
  ps.setInt(1, 1);
  ps.setString(2, "Yoga");
  ps.setInt(3, 30);
  ps.setString(4, "Flu");
  ps.executeUpdate();
  System.out.println("Patient Registered");
}
String insertDoctor = "INSERT INTO doctor VALUES (?, ?, ?)";
try (PreparedStatement ps = con.prepareStatement(insertDoctor)) {
  ps.setInt(1, 101);
  ps.setString(2, "Dr. Smith");
  ps.setString(3, "General Physician");
  ps.executeUpdate();
  System.out.println("Doctor Assigned");
}
String insertBill = "INSERT INTO billing VALUES (?, ?, ?)";
try (PreparedStatement ps = con.prepareStatement(insertBill)) {
  ps.setInt(1, 1001);
  ps.setInt(2, 1);
  ps.setDouble(3, 500.00);
  ps.executeUpdate();
  System.out.println("Bill Generated");
}
System.out.println("\nPatient Records:");
```

```
ResultSet rs = st.executeQuery("SELECT * FROM patient")) {
         while (rs.next()) {
           System.out.println(rs.getInt("patient_id") + " | " +
                      rs.getString("name") + " | " +
                      rs.getInt("age") + " | " +
                      rs.getString("disease"));
         }
      }
    } catch (Exception e) {
      e.printStackTrace();
    }
  }
}
Output: Patient Registered
Doctor Assigned
Bill Generated
Patient Records:
1 | Yoga | 30 | Flu
18. Write a JDBC-based report generator that exports data from a MySQL table to a text or CSV
file.
Program:
package JDBC_conn;
import java.sql.*;
import java.io.FileWriter;
public class ReportGenerator {
  public static void main(String[] args) {
    String url = "jdbc:mysql://localhost:3306/mydb";
```

try (Statement st = con.createStatement();

```
String user = "root";
    String password = "798167";
    try (Connection con = DriverManager.getConnection(url, user, password)) {
      Class.forName("com.mysql.cj.jdbc.Driver");
      String query = "SELECT * FROM emp";
      try (Statement st = con.createStatement();
         ResultSet rs = st.executeQuery(query);
         FileWriter fw = new FileWriter("emp_report.csv")) {
        fw.append("ID,Name,Salary\n");
         while (rs.next()) {
           fw.append(rs.getInt("id") + ",")
            .append(rs.getString("name") + ",")
            .append(rs.getInt("salary") + "\n");
        }
        System.out.println("done");
      }
    } catch (Exception e) {
      e.printStackTrace();
    }
Output: done
```

}

}