

OnlineGDB

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EmployeeDatabase.java

```
1 import java.sql.*;
2 public class EmployeeDatabase {
3     private static final String DB_URL = "jdbc:mysql://localhost:3306/your_database";
4     private static final String USER = "your_username";
5     private static final String PASSWORD = "your_password";
6
7     public static void main(String[] args) {
8         String query = "SELECT EmpID, Name, Salary FROM Employee";
9         try (Connection conn = DriverManager.getConnection(DB_URL, USER, PASSWORD);
10              Statement stmt = conn.createStatement();
11              ResultSet rs = stmt.executeQuery(query)) {
12             System.out.println("EmpID\tName\tSalary");
13             System.out.println("-----");
14             while (rs.next()) {
15                 int empId = rs.getInt("EmpID");
16                 String name = rs.getString("Name");
17                 double salary = rs.getDouble("Salary");
18                 System.out.println(empId + "\t" + name + "\t\t" + salary);
19             }
20         } catch (SQLException e) {
21             e.printStackTrace();
22         }
23     }
24 }
```

Input

```
java.sql.SQLException: No suitable driver found for jdbc:mysql://localhost:3306/your_database
    at java.sql/java.sql.DriverManager.getConnection(DriverManager.java:707)
    at java.sql/java.sql.DriverManager.getConnection(DriverManager.java:230)
    at EmployeeDatabase.main(EmployeeDatabase.java:9)
...Program finished with exit code 0
```

Language Java

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MediumJDBC.java

25 import java.sql.*;
26 import java.util.Scanner;
27
28 public class MediumJDBC {
29 static final String URL = "jdbc:mysql://localhost:3306/testdb";
30 static final String USER = "root";
31 static final String PASSWORD = "password";
32
33 public static void main(String[] args) {
34 try (Connection conn = DriverManager.getConnection(URL, USER, PASSWORD);
35 Scanner scanner = new Scanner(System.in)) {
36
37 while (true) {
38 System.out.println("\n1. Add Product\n2. View Products\n3. Update Product\n4. Delete Product\n5. Exit");
39 System.out.print("Enter choice: ");
40 int choice = scanner.nextInt();
41 scanner.nextLine(); // Consume newline
42
43 switch (choice) {
44 case 1 -> addProduct(conn, scanner);
45 case 2 -> viewProducts(conn);
46 case 3 -> updateProduct(conn, scanner);
47 case 4 -> deleteProduct(conn, scanner);
48
49 }
50 }
51 }
52 }
53 }
54

Input
java.sql.SQLException: No suitable driver found for jdbc:mysql://localhost:3306/testdb
at java.sql/java.sql.DriverManager.getConnection(DriverManager.java:707)
at java.sql/java.sql.DriverManager.getConnection(DriverManager.java:230)
at MediumJDBC.main(MediumJDBC.java:34)
...Program finished with exit code 0
Press ENTER to exit console.

Language Java

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StudentManageme...
1- import java.sql.*;
2 import java.util.ArrayList;
3 import java.util.List;
4 import java.util.Scanner;
5- class Student {
6 private int studentID;
7 private String name;
8 private String department;
9 private int marks;
10
11- public Student(int studentID, String name, String department, int marks) {
12 this.studentID = studentID;
13 this.name = name;
14 this.department = department;
15 this.marks = marks;
16 }
17
18 public int getStudentID() { return studentID; }
19 public String getName() { return name; }
20 public String getDepartment() { return department; }
21

Input
1. Add Student
2. View Students
3. Update Marks
4. Delete Student
5. Exit
Enter choice: 1
Enter Student ID: 12427
Enter Name: Himanshu Kumar
Enter Department: CSE
Enter Marks: 99
java.sql.SQLException: No suitable driver found for jdbc:mysql://localhost:3306/testdb
at java.sql/java.sql.DriverManager.getConnection(DriverManager.java:707)

Language Java

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