

NAME: AKARSHAN JANGID

SECTION: 619:A

EXPERIMENT: 5

CODE:

```
package akarshan;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import java.sql.SQLException;

public class aj {

    public static void main(String[] args) {

        String url = "jdbc:mysql://localhost:3306/emp";
        String user = "root";
        String password = "Jangid@123";

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

            Statement stmt = con.createStatement();

            ResultSet rs = stmt.executeQuery("SELECT * FROM employee")) {

            System.out.println("Connection successful! Retrieving employee data...");

            while (rs.next()) {

                int empId = rs.getInt("emp_id");

                String empName = rs.getString("emp_name");

                String designation = rs.getString("designation");

                double salary = rs.getDouble("salary");
```

```
String joiningDate = rs.getString("joining_date");
```

```
System.out.println("Emp ID: " + empId + ", Name: " + empName + ", Designation: " +  
designation
```

```
+ ", Salary: " + salary + ", Joining Date: " + joiningDate);
```

```
}
```

```
} catch (SQLException e) {
```

```
e.printStackTrace();
```

```
}
```

```
}
```

```
}
```

SCREENSHOTS:

The screenshot displays the MySQL Workbench interface. The left sidebar shows the 'SCHEMAS' tree with 'emp' and 'emp2' databases. The main query editor shows a query: `select * from employee;`. The 'Result Grid' tab is active, showing a table with 5 columns: `emp_id`, `emp_name`, `designation`, `salary`, and `joining_date`. The table contains 3 rows of data. Below the table, the 'Table: employee' information is shown, including columns: `emp_id` (int AI PK), `emp_name` (varchar(100)), `designation` (varchar(50)), `salary` (decimal(10,2)), and `joining_date` (date). The 'Output' tab at the bottom shows the execution log with 3 actions. The first two actions resulted in errors: 'Error Code: 1146. Table 'emp2.emp' doesn't exist' and 'Error Code: 1146. Table 'emp2.employee' doesn't exist'. The third action, 'use emp', was successful and affected 0 rows.

emp_id	emp_name	designation	salary	joining_date
1	Amit Kumar	Manager	75000.00	2023-05-10
2	AJ	Developer	60000.00	2022-11-15
3	Priya Singh	HR Executive	50000.00	2021-03-20

#	Time	Action	Message	Duration / Fetch
1	19:41:50	select * from emp LIMIT 0, 1000	Error Code: 1146. Table 'emp2.emp' doesn't exist	0.000 sec
2	19:42:11	select * from employee LIMIT 0, 1000	Error Code: 1146. Table 'emp2.employee' doesn't exist	0.016 sec
3	19:42:25	use emp	0 row(s) affected	0.000 sec

eclipse-workspace - experiment4/src/akarshan/ajjava - Eclipse IDE

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Package Explorer ×

- appium
- exp5
 - JRE System Library [JavaSE-22]
 - src
 - attraction
 - addition.java
 - Main.java
 - Student.java
- experiment4
- experiment5
- Jangid
- JAVA

```
1 package akarshan;
2
3 import java.sql.Connection;
4
5
6
7
8
9 public class aj {
10     public static void main(String[] args) {
11         String url = "jdbc:mysql://localhost:3306/emp";
12         String user = "root";
13         String password = "Jangid@123";
14
15         try (Connection con = DriverManager.getConnection(url, user, password);
16             Statement stmt = con.createStatement();
17             ResultSet rs = stmt.executeQuery("SELECT * FROM employee")) {
18
19             System.out.println("Connection successful! Retrieving employee data...");
20
21             while (rs.next()) {
22                 int empId = rs.getInt("emp_id");
23                 String empName = rs.getString("emp_name");
24                 String designation = rs.getString("designation");
25                 double salary = rs.getDouble("salary");
26                 String joiningDate = rs.getString("joining_date");
27
28                 System.out.println("Emp ID: " + empId + ", Name: " + empName + ", Designation: " + designation
29                                     + ", Salary: " + salary + ", Joining Date: " + joiningDate);
30             }
31         } catch (SQLException e) {
32             e.printStackTrace();
33         }
34     }
35 }
36
37 }
```

Problems @ Javadoc Declaration Console ×

<terminated> aj [Java Application] C:\Users\Kashish Jangid\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_22.0.1.v20240426-1149\jre\bin\javaw.exe (Mar 4

Connection successful! Retrieving employee data...

Emp ID: 1, Name: Amit Kumar, Designation: Manager, Salary: 75000.0, Joining Date: 2023-05-10

Emp ID: 2, Name: AJ, Designation: Developer, Salary: 60000.0, Joining Date: 2022-11-15

Emp ID: 3, Name: Priya Singh, Designation: HR Executive, Salary: 50000.0, Joining Date: 2021-03-20