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Command Prompt - mysql -u root -p

C:\Users\shivs>mysql -u root -p
Enter password: ****
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 11
Server version: 8.0.41 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database practical;
Query OK, 1 row affected (0.02 sec)

mysql> use practical;
Database changed
mysql> CREATE TABLE IF NOT EXISTS Student (
    ->     id INT PRIMARY KEY,
    ->     roll_no INT,
    ->     first_name VARCHAR(50),
    ->     last_name VARCHAR(50),
    ->     age INT,
    ->     city VARCHAR(50)
    -> );
Query OK, 0 rows affected (0.29 sec)
```

```
mysql> -- Insert sample records
mysql> INSERT INTO Student(id, roll_no, first_name, last_name, age, city)
    -> VALUES
    -> (1, 1001, 'Ravi', 'Patil', 20, 'Mumbai'),
    -> (2, 1002, 'Sneha', 'Shah', 19, 'Pune'),
    -> (3, 1003, 'Amit', 'Deshmukh', 21, 'Nagpur'),
    -> (4, 1004, 'Priya', 'Kulkarni', 18, 'Nashik'),
    -> (5, 1005, 'Rahul', 'Shinde', 22, 'Aurangabad');
Query OK, 5 rows affected (0.06 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

```
mysql>
```

```
1 package abc;
2
3 import java.sql.*;
4 import java.util.Scanner;
5
6 public class DeptDB {
7     public static void main(String[] args) {
8         Scanner input = new Scanner(System.in);
9         Connection c = null;
10        Statement sm = null;
11
12        try {
13            // Load JDBC driver (optional for newer versions)
```

```

14     Class.forName("com.mysql.cj.jdbc.Driver");
15
16     // Connect to the database
17     c = DriverManager.getConnection(
18         "jdbc:mysql://localhost:3306/practical", "root", "1234");
19
20     sm = c.createStatement();
21     System.out.println("Database Connected..."); 
22
23     int ch;
24     do {
25         System.out.println("Enter Choice:\n1 - Insert\n2 - Select\n3 -
Update\n4 - Delete\n5 - Exit");
26         ch = input.nextInt();
27         input.nextLine(); // consume newline
28
29         switch (ch) {
30             case 1:
31                 String sqlInsert = "INSERT INTO Student VALUES (8, 1010,
'Pooja', 'Deore', 18, 'Nashik')";
32                 sm.executeUpdate(sqlInsert);
33                 System.out.println("Record is Inserted..."); 
34                 break;
35             case 2:
36
37                 String sqlSelect = "SELECT first_name, last_name, age, city
FROM Student";
38
39                 ResultSet rs = sm.executeQuery(sqlSelect);
40                 while (rs.next()) {
41                     String fname = rs.getString("first_name");
42                     String lname = rs.getString("last_name");
43                     int age = rs.getInt("age");
44                     String city = rs.getString("city");
45
46                     System.out.println("First Name: " + fname);
47                     System.out.println("Last Name: " + lname);
48                     System.out.println("Age: " + age);
49                     System.out.println("City: " + city);
50                     System.out.println("-----");
51                 }
52                 break;
53
54             case 3:
55                 String sqlUpdate = "UPDATE Student SET first_name='Manoj'
WHERE id=5";
56                 sm.executeUpdate(sqlUpdate);
57                 System.out.println("Record is Updated..."); 
58                 break;
59             case 4:

```

```

60                                     String sqlDelete = "DELETE FROM Student WHERE id=8"; //
61                                     example
62                                         sm.executeUpdate(sqlDelete);
63                                         System.out.println("Record is Deleted...");
64                                         break;
65                                         case 5:
66                                         System.out.println("Exiting...");
67                                         break;
68                                         default:
69                                         System.out.println("Invalid Choice!");
70                                         }
71                                         }
72 } while (ch != 5);

73 } catch (Exception e) {
74     e.printStackTrace();
75 } finally {
76     try {
77         if (sm != null) sm.close();
78         if (c != null) c.close();
79         input.close();
80     } catch (SQLException e) {
81         e.printStackTrace();
82     }
83 }
84 }
85 }
86 }
87 }
```

## Output:



The screenshot shows the Eclipse IDE's Console view with the following output:

```

Problems Javadoc Declaration Console X
<terminated> DeptDB [Java Application] C:\Users\shivs\p2\pool\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86_64_21.0.8.v20250724-1412\jre\bin\javaw.exe (Oct 9, 2025, 6:45:39 AM – 6:50:15 AM elapse)
Database Connected...
Enter Choice:
1 - Insert
2 - Select
3 - Update
4 - Delete
5 - Exit
1
Record is Inserted...
```

```

Enter Choice:
1 - Insert
2 - Select
3 - Update
4 - Delete
5 - Exit
2
First Name: Ravi
Last Name: Patil
Age: 20
City: Mumbai
-----
First Name: Sneha
Last Name: Shah
Age: 19
City: Pune
-----
First Name: Amit
Last Name: Deshmukh
Age: 21
City: Nagpur
-----
First Name: Priya
Last Name: Kulkarni
Age: 18
City: Nashik
-----
First Name: Rahul
Last Name: Shinde
Age: 22
City: Aurangabad
-----
First Name: Pooja
Last Name: Deore
Age: 18
City: Nashik
-----
```

```

Enter Choice:
1 - Insert
2 - Select
3 - Update
4 - Delete
5 - Exit
3
Record is Updated...
Enter Choice:
1 - Insert
2 - Select
3 - Update
4 - Delete
5 - Exit
4
Record is Deleted...
Enter Choice:
1 - Insert
2 - Select
3 - Update
4 - Delete
5 - Exit
5
Exiting...
```

```

mysql> select * from Student;
+----+-----+-----+-----+-----+
| id | roll_no | first_name | last_name | age | city |
+----+-----+-----+-----+-----+
| 1 | 1001 | Ravi | Patil | 20 | Mumbai |
| 2 | 1002 | Sneha | Shah | 19 | Pune |
| 3 | 1003 | Amit | Deshmukh | 21 | Nagpur |
| 4 | 1004 | Priya | Kulkarni | 18 | Nashik |
| 5 | 1005 | Manoj | Shinde | 22 | Aurangabad |
+----+-----+-----+-----+-----+
5 rows in set (0.02 sec)
```