## Program -1

```
workspace - Java - javaproject01/src/javaproject01//DBCConnection.java - Eclipse File Edit Source Refactor Navigate Search Project Run Window Help
 $ Package Explorer ⋈ 🖹 😫 🐌 🔻 🗆 🗓 IDBCConnection.java ⋈
                                                                                                                                                                          □ □ ■ Task List 💢
                                                                                                                                                                                        1 package javaproject01;
                                                                                                                                                                                        Q > All > Activate...
                                                         30 import java.sql.Connection;
                                                         4 import java.sql.DriverManager;
5 import java.sql.ResultSet;
   ell testing testing2
                                                         6 import java.sql.Statement;
                                                         8 public class JDBCConnection {
                                                                public static void main(String[] args) {
                                                                    Connection con = DriverManager.getConnection(
   "jdbc:mysql://localhost:3306/saturday", "root", "enter");
                                                                         Statement stmt = con.createStatement();
ResultSet rs = stmt.executeQuery("SELECT * FROM emp");
                                                       14
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29
}
                                                                                                                                                                                 while (rs.next()) {
    System.out.println(
                                                                                                                                                                                 # javaproject01

DBCConnection

main(String[]): void
                                                                                  rs.getInt(1) + " " + rs.getString(2) + " " +
                                                                                  rs.getInt(3)
                                                                    } catch (Exception e) {
   System.out.println("Dear Customer, Please check your program");
                                                                         e.printStackTrace();
                                                       <terminated> JDBCConnection [Java Application] C:\Program Files\Java\jre1.8.0_221\bin\javaw.exe (30-Aug-2025, 1:04:57 PM)
                                                       1 Ighlas 50000
                                                       3 Karthik 55000
                                                                                                                                         Writable Smart Insert 30 : 1
```

package databaseConnection;

```
Statement stmt = con.createStatement();
       ResultSet rs = stmt.executeQuery("SELECT * FROM Worker");
       while (rs.next()) {
          System.out.println(
            rs.getInt(1) + " " +
            rs.getString(2) + " " +
            rs.getString(3) + " " +
            rs.getString(4) + " " +
            rs.getDouble(5)
          );
       }
       con.close();
     } catch (Exception e) {
       System.out.println("Dear customer, please check your program");
       e.printStackTrace();
    }
  }
}
```

## Program-2: Crud Operation

```
workspace - Java - javaproject01/src/javaproject01/JDBCConnection.java - Eclipse
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$ Package Explorer ⋈ 🖹 😫 🔻 🗆 🗋 🗓 IDBCConnection.java ⋈
↑ | % % | % | % | % | % | 7
                                                 1 package javaproject01;
  > # src
> # JRE System Library [JavaSE-1.8]
> # Referenced Libraries
                                                                                                                                                              Q All Activate...
                                                 3⊖import java.sql.Connection;
                                                 4 import java.sql.DriverManager;
  testing
                                                 5 import java.sql.PreparedStatement;
                                                 6 import java.sql.ResultSet;
                                                 8 public class JDBCConnection {
                                                      public static void main(String[] args) {
                                                10
                                                           try {
                                                               Class.forName("com.mysql.cj.jdbc.Driver");
                                                12
                                                               Connection con = DriverManager.getConnection(
                                                13
14
                                                                   "jdbc:mysql://localhost:3306/saturday", "root", "enter");
                                                15
                                                               String insertQuery = "INSERT INTO emp (id, name, salary) VALUES (?, ?, ?)";
                                                                                                                                                       16
17
18
                                                               PreparedStatement psInsert = con.prepareStatement(insertQuery);
                                                                                                                                                        # javaproject01

• O DBCConnection

• * main(String()): void
                                                               psInsert.setInt(1, 101);
                                                              psInsert.setString(2, "Iqhlas");
psInsert.setInt(3, 50000);
                                                19
                                                               psInsert.executeUpdate();
                                                21
22
23
                                                               System.out.println("Record inserted!");
                                                               String selectQuery = "SELECT * FROM emp";
                                                               ResultSet rs = con.createStatement().executeQuery(selectQuery);
                                                25
26
                                                               System.out.println("\nEmployee Table:");
                                                               while (rs.next()) {
                                                27
                                                                  System.out.println(
                                                                      rs.getInt("id") + " " +
                                                                      rs.getString("name") + " " +
                                               Problems @ Javadoc Declaration Console X
                                                                                                                                                        Record inserted!
                                               Employee Table:
                                               2 Adib 60000
                                               3 Karthik 55000
                                               101 Ighlas 50000
```

```
package databaseConnection;
```

```
Connection con = DriverManager.getConnection(
         "jdbc:mysql://localhost:3306/saturday", "root", "root");
       String insertQuery = "INSERT INTO Worker (WORKER ID, FIRST NAME,
LAST_NAME, DEPARTMENT, SALARY) VALUES (?, ?, ?, ?, ?)";
       PreparedStatement psInsert = con.prepareStatement(insertQuery);
       psInsert.setInt(1, 6);
       psInsert.setString(2, "Kiran");
       psInsert.setString(3, "Patel");
       psInsert.setString(4, "Finance");
       psInsert.setDouble(5, 72000.00);
       psInsert.executeUpdate();
       System.out.println("Record inserted!");
       String selectQuery = "SELECT * FROM Worker";
       ResultSet rs = con.createStatement().executeQuery(selectQuery);
       System.out.println("\nWorker Table:");
       while (rs.next()) {
         System.out.println(
            rs.getInt("WORKER ID") + " " +
            rs.getString("FIRST_NAME") + " " +
            rs.getString("LAST NAME") + " " +
            rs.getString("DEPARTMENT") + " " +
            rs.getDouble("SALARY")
         );
       }
       String updateQuery = "UPDATE Worker SET SALARY=? WHERE
WORKER_ID=?";
```

PreparedStatement psUpdate = con.prepareStatement(updateQuery);

```
psUpdate.setInt(2, 6);
psUpdate.setInt(2, 6);
psUpdate.executeUpdate();
System.out.println("\nRecord updated!");

String deleteQuery = "DELETE FROM Worker WHERE WORKER_ID=?";
PreparedStatement psDelete = con.prepareStatement(deleteQuery);
psDelete.setInt(1, 6);
psDelete.executeUpdate();
System.out.println("\nRecord deleted!");

con.close();
} catch (Exception e) {
System.out.println("Error in CRUD operations!");
e.printStackTrace();
}
}
```