

1. PROGRAM

```
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.ResultSet;
6 import java.sql.Statement;
7
8 public class JDBCConnection {
9     public static void main(String[] args) {
10         try {
11             Class.forName("com.mysql.cj.jdbc.Driver");
12             Connection con = DriverManager.getConnection(
13                 "jdbc:mysql://localhost:3306/saturday", "root", "root");
14             Statement stmt = con.createStatement();
15             ResultSet rs = stmt.executeQuery("SELECT * FROM Worker");
16             while (rs.next()) {
17                 System.out.println(
18                     rs.getInt(1) + " " +
19                     rs.getString(2) + " " +
20                     rs.getString(3) + " " +
21                     rs.getString(4) + " " +
22                     rs.getDouble(5)
23                 );
24             }
25             con.close();
26         } catch (Exception e) {
27             System.out.println("Dear customer, please check your program");
28             e.printStackTrace();
29         }
30     }
31 }
32
```

Problems | Javadoc | Declaration | Console | Error Log

terminated> JDBCConnection [Java Application] C:\Program Files\Java\jre1.8.0_221\bin\javaw.exe (30-Aug-2025, 12:46:12 PM)

```
1 Vipul Sharma HR 85000.0
2 Ritika Singh Finance 120000.0
3 Nihil Saxena IT 95000.0
4 Anika Sinha Marketing 110000.0
5 Suresh Patel HR 70000.0
```

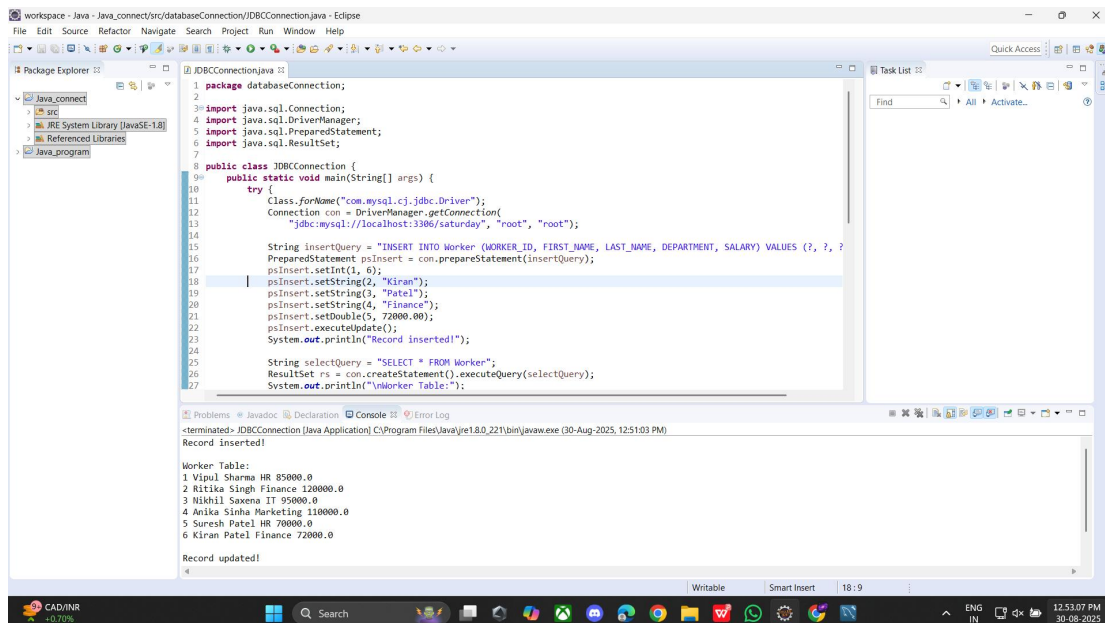
CODE:

```
package databaseConnection;
```

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

```
public class JDBCConnection {
    public static void main(String[] args) {
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection con = DriverManager.getConnection(
                "jdbc:mysql://localhost:3306/saturday", "root", "root");
            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();
        }
    }
}
```

2. PROGRAM(CRUD OPERATION)



CODE:

```
package databaseConnection;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;

public class JDBCConnection {
    public static void main(String[] args) {
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            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.print(
                    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.setDouble(1, 75000.00);
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();
}
}
}

```