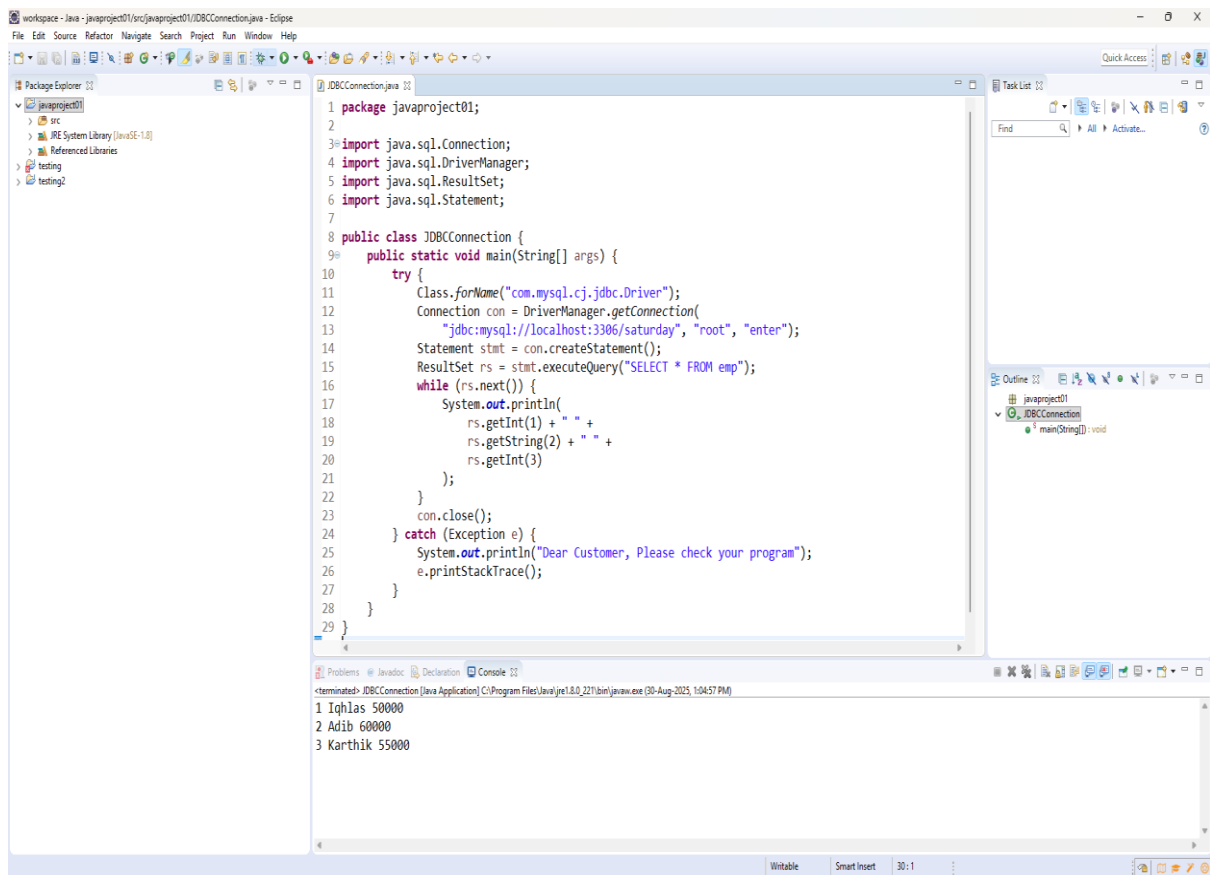


Program -1



```
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 {
```

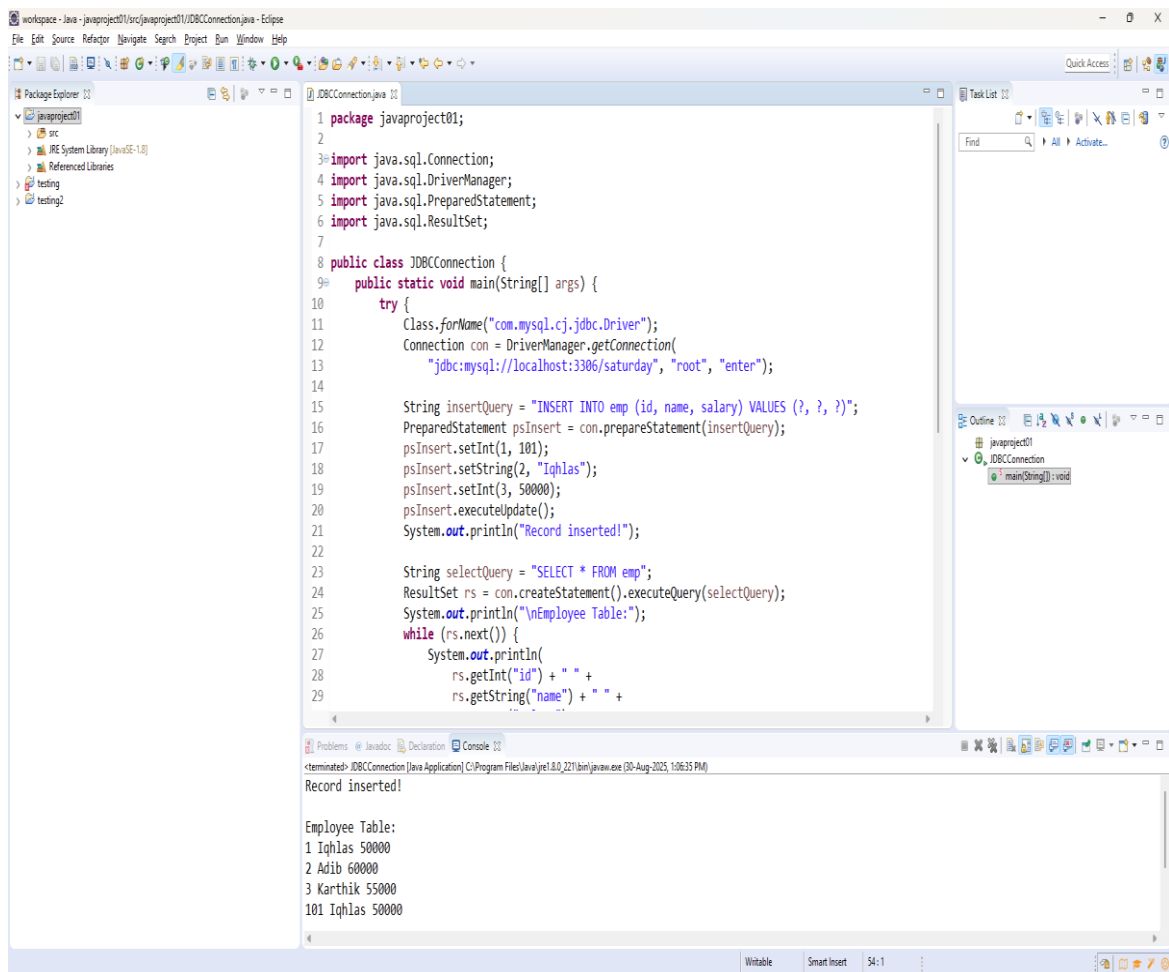
```
            Class.forName("com.mysql.cj.jdbc.Driver");
```

```
            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();
}
}
}
```

Program-2 : Crud Operation



```
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.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.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();  
}  
}  
}
```

