SMARTBRIDGE ASSIGNMENT - 3

Modern Application Development (Java Spring Boot)

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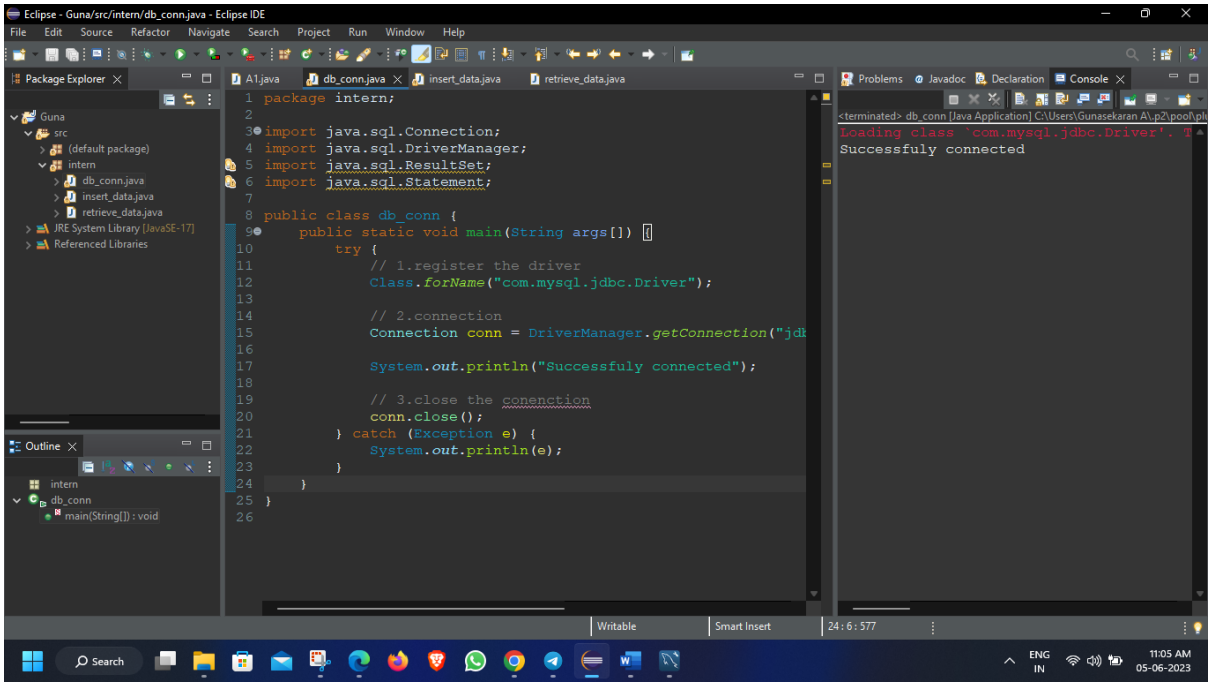
Task:-

1.Implement JDBC connectivity using Java.

```
package intern;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
public class db_conn {
	public static void main(String args[]) {
		try {
			// 1.register the driver
			Class.forName("com.mysql.jdbc.Driver");
			// 2.connection
			Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/guna", "root", "guna");
			System.out.println("Successfuly connected");
			// 3.close the conenction
			conn.close();
		} catch (Exception e) {
			System.out.println(e);
		}
	}
}
```

Output:

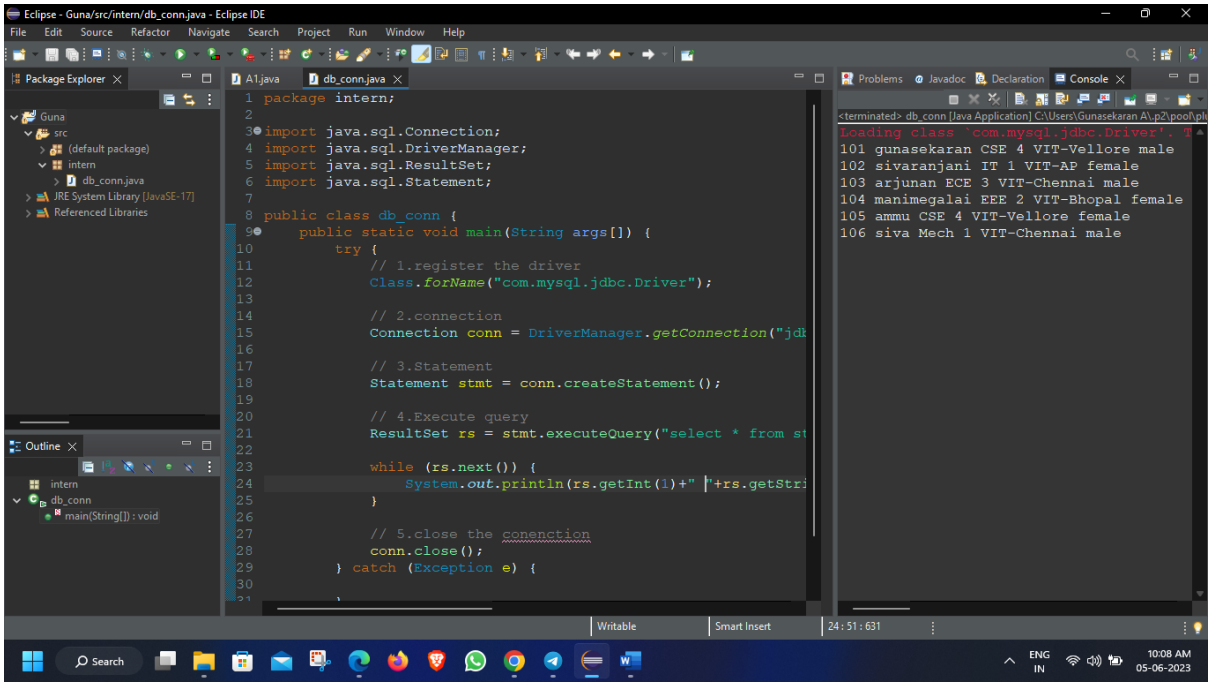


Retrieve Data Using JDBC:

```
 package intern;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
public class db_conn {
	public static void main(String args[]) {
		try {
			// 1.register the driver
			Class.forName("com.mysql.jdbc.Driver");
			// 2.connection
			Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/guna", "root", "guna");
			// 3.Statement
			Statement stmt = conn.createStatement();
			// 4.Execute query
```

```
                    ResultSet rs = stmt.executeQuery("select * from students");
                    while (rs.next()) {
                            System.out.println(rs.getInt(1)+" "+rs.getString(2)+"
"+rs.getString(3)+" "+rs.getInt(4)+" "+rs.getString(5)+ " "+rs.getString(6));
                    }
                    // 5.close the conenction
                    conn.close();
                } catch (Exception e) {
                    System.out.println(e);
                }
        }
}
```

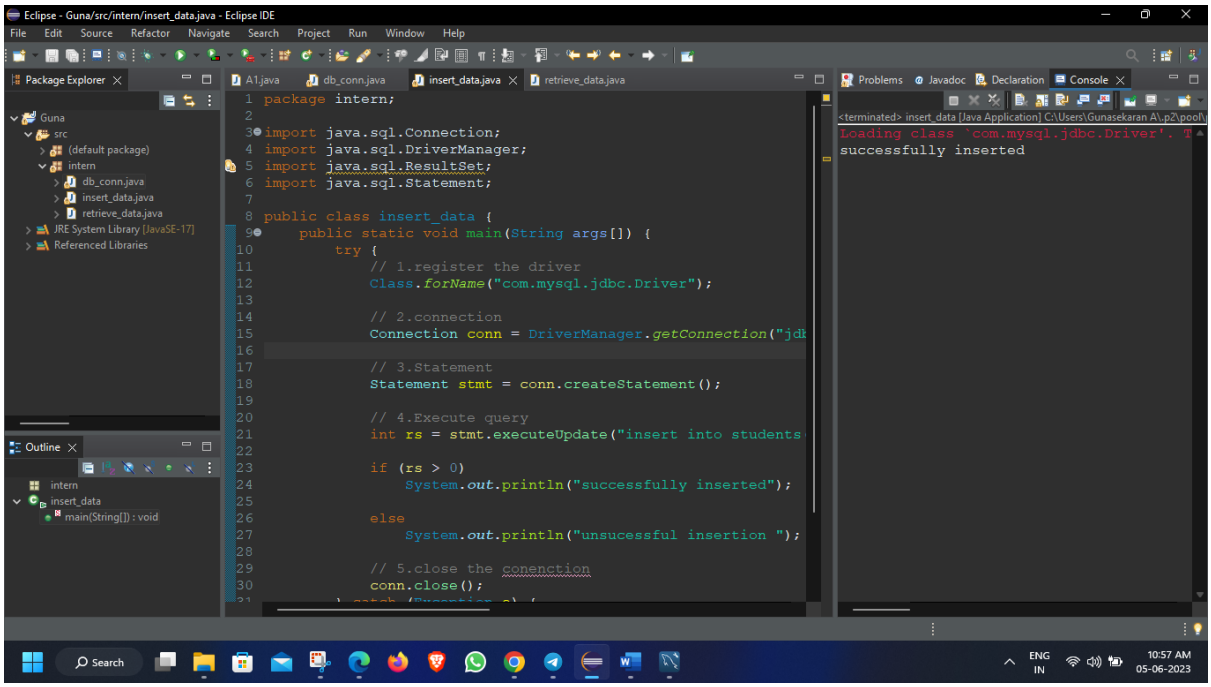
Output:



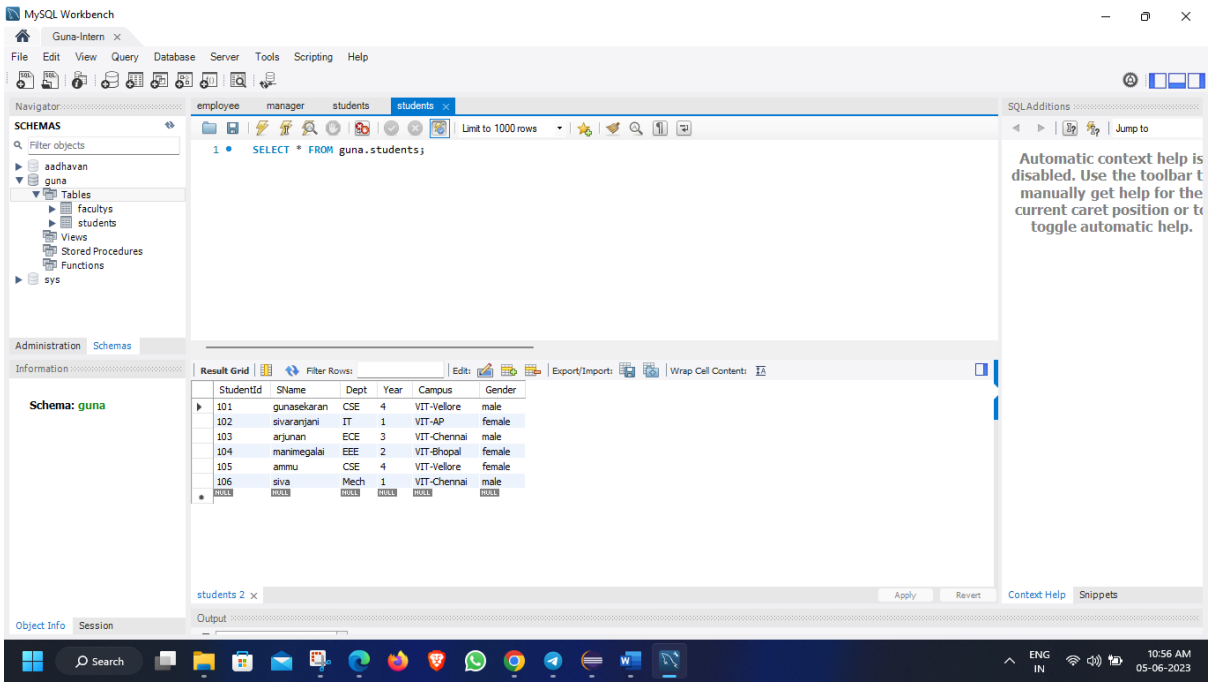
Insert Data Using JDBC:

```
package intern;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
public class insert_data {
	public static void main(String args[]) {
		try {
			// 1.register the driver
			Class.forName("com.mysql.jdbc.Driver");
			// 2.connection
			Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/guna", "root", "guna");
			// 3.Statement
			Statement stmt = conn.createStatement();
			// 4.Execute query
			int rs = stmt.executeUpdate("insert into
students(StudentId,SName,Dept,Year,Campus,Gender) values(107,'ram','CSE','3','VIT-
AP','male')");
			if (rs > 0)
				System.out.println("successfully inserted");
		else
		   System.out.println("unsucessful insertion ");
			// 5.close the conenction
			conn.close();
		   } catch (Exception e) {
			System.out.println(e);
		   }
	}
}
```

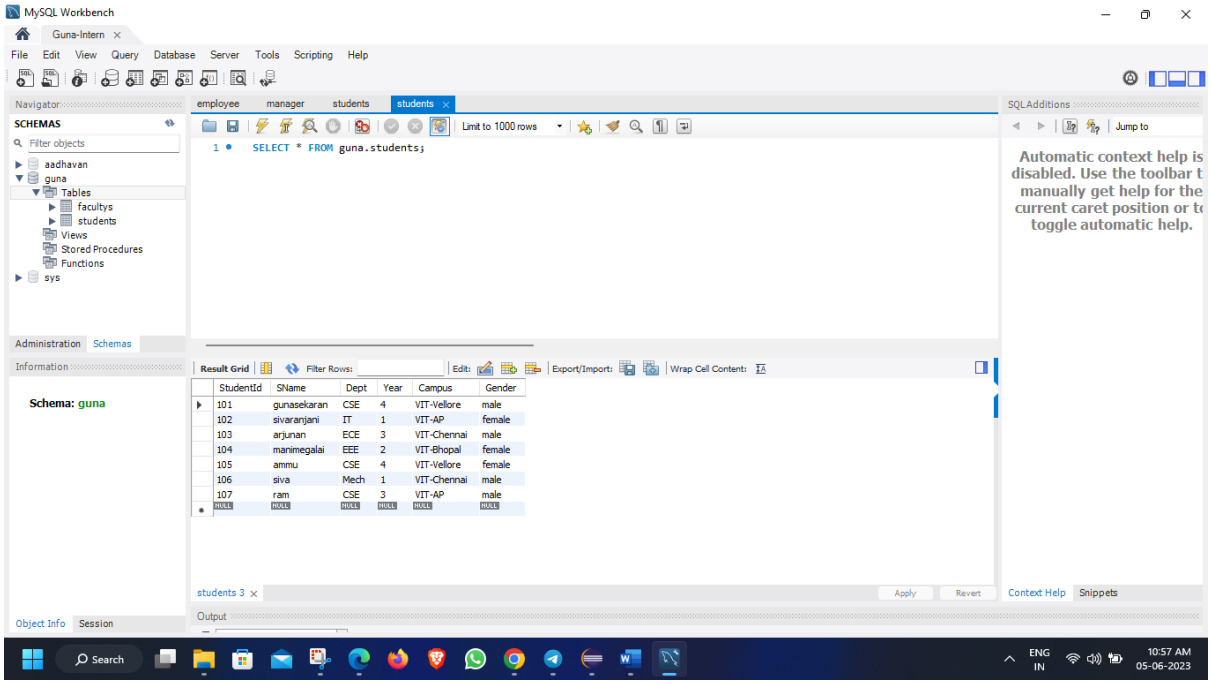
Output:



Before:



After:


MySQL Workbench
Guna-Intern
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
aadhavan
guna
Tables
faculty s
students
Views
Stored Procedures
Functions
sys
Administration Schemas
Information
Schema: guna
Object Info Session
employee manager students students
Limit to 1000 rows
1 SELECT * FROM guna.students;
SQL Additions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
StudentId SName Dept Year Campus Gender
101 gunasekaran CSE 4 VIT-Vellore male
102 sivaranjani IT 1 VIT-AP female
103 arjunan ECE 3 VIT-Chennai male
104 manimegalai EEE 2 VIT-Bhopal female
105 ammu CSE 4 VIT-Vellore female
106 siva Mech 1 VIT-Chennai male
107 ram CSE 3 VIT-AP male
students 3
Apply Revert
Context Help Snippets
Output
Search
ENG IN
10:57 AM 05-06-2023