Experiment no 08

Code:

```java
import java.sql.*;

public class DBConnection {
    public static Connection connectDB() {
        Connection con = null;
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            con = DriverManager.getConnection(
                "jdbc:mysql://localhost:3306/student",
                "root",
                "Sarban@123"
            );
        } catch (Exception e) {
            System.out.println("Connection Error: " + e);
        }
        return con;
    }
}
```

```java
import java.sql.*;

public class GFG {

    public static void main(String[] args) {
        Connection con = null;
        PreparedStatement p = null;
        ResultSet rs = null;

        con = DBConnection.connectDB();  // use renamed class here

        try {
            String sql = "SELECT * FROM cuslogin";
            p = con.prepareStatement(sql);
            rs = p.executeQuery();

            System.out.println("id\t\tname\t\temail");

            while (rs.next()) {
                int id = rs.getInt("id");
                String name = rs.getString("name");
```

```java
            String email = rs.getString("email");

            System.out.println(id + "\t\t" + name + "\t\t" + email);
        }
    } catch (SQLException e) {
        System.out.println("SQL Error: " + e);
    }
  }
}
```

Database:


```
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| abdul              |
| information_schema |
| lab_6              |
| mydb               |
| mysql              |
| performance_schema |
| student            |
| student_database   |
| sys                |
+--------------------+
9 rows in set (1.04 sec)

mysql> use student
Database changed
mysql> show tables;
Empty set (0.03 sec)

mysql> CREATE TABLE cuslogin (
    ->    id INT PRIMARY KEY AUTO_INCREMENT,
    ->    name VARCHAR(100),
    ->    email VARCHAR(100)
    -> );
Query OK, 0 rows affected (0.24 sec)

mysql> INSERT INTO cuslogin (name, email) VALUES
    -> ('Abdul', 'abdul@example.com'),
    -> ('ajay', 'ajay@example.com');
Query OK, 2 rows affected (0.03 sec)
Records: 2  Duplicates: 0  Warnings: 0
```

Commands to run:

PS D:\College_AJP\Experments> javac -cp ".;mysql-connector-java-9.2.0.jar" GFG.java DBConnection.java

PS D:\College_AJP\Experments> java -cp ".;mysql-connector-j-9.2.0.jar" GFG

Output:

PS D:\College_AJP\Experments> java -cp ".;mysql-connector-j-9.2.0.jar" GFG
id   name   email
1   Abdul   abdul@example.com
2   Ajay   ajay@example.com