WEEK-5

DATE:18-08-25

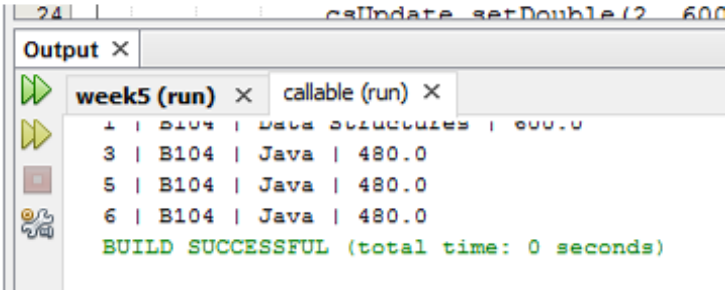
1.AIM: Write the program in java using Scroll Insensitive ResultSet.

Code:

```
 package week5;
import java.sql.*;
 public class Week5 {
     public static void main(String[] args){
         try{
             Class.forName("com.mysql.cj.jdbc.Driver");
             String url = "jdbc:mysql://localhost:3306/emp";
             String username = "root";
             String password = "";
             Connection con = DriverManager.getConnection(url, username, password);
             Statement st = con.createStatement( ResultSet.TYPE_SCROLL_SENSITIVE,
ResultSet.CONCUR_UPDATABLE );
              ResultSet rs = st.executeQuery("SELECT eno, ename, salary FROM employee");
rs.moveToInsertRow();
rs.updateInt("eno", 301);
rs.updateString("ename", "Alice");
rs.updateInt("salary", 47000);
rs.insertRow();
rs.moveToInsertRow();
rs.updateInt("eno", 302);
rs.updateString("ename", "Bob");
rs.updateInt("salary", 52000);
rs.insertRow();
rs.moveToInsertRow();
rs.updateInt("eno", 303);
rs.updateString("ename", "Charlie");
rs.updateInt("salary", 60000);
rs.insertRow();
System.out.println("Employees inserted successfully:\n");
rs.beforeFirst();
while (rs.next()){
                    System.out.println( rs.getInt("eno") + " | " + rs.getString("ename") + " | " +
rs.getInt("salary") );
                    }
            rs.close();
            st.close();
            con.close();
                    }
           catch (Exception e) {
                               System.out.println(e);
                    }
            }
```

}

Output:



2.AIM: Write the program in java using Scroll sensitive ResultSet.

Code:

```
package week5;
import java.sql.*;
public class Week5 {
    public static void main(String[] args) {
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            String url = "jdbc:mysql://localhost:3306/emp";
            String username = "root"; String password = "";
            Connection con = DriverManager.getConnection(url, username, password);
Statement st = con.createStatement( ResultSet.TYPE_SCROLL_SENSITIVE,
ResultSet.CONCUR_UPDATABLE );
            ResultSet rs = st.executeQuery("SELECT eno, ename, salary FROM employee");
rs.moveToInsertRow();
rs.updateInt("eno", 401);
rs.updateString("ename", "David");
rs.updateInt("salary", 55000);
rs.insertRow();
rs.moveToInsertRow();
 rs.updateInt("eno", 402);
rs.updateString("ename", "Emma");
rs.updateInt("salary", 62000);
rs.insertRow();
rs.moveToInsertRow();
rs.updateInt("eno", 403);
rs.updateString("ename", "Frank");
rs.updateInt("salary", 70000);
rs.insertRow();
                System.out.println("Employees inserted successfully:\n");
                  rs.beforeFirst();
                  while (rs.next()) {
                                        System.out.println( rs.getInt("eno") + " | " +
rs.getString("ename") + " | " + rs.getInt("salary") );
                                            } rs.afterLast();
                                        System.out.println("\nReading in reverse order:");
                   while (rs.previous()) {
```

```
                        System.out.println( rs.getInt("eno") + " | " + rs.getString("ename") + " |
" + rs.getInt("salary") );
}
            rs.close();
            st.close();
            con.close();
                }
                 catch (Exception e) {
                                System.out.println(e);
                                    }
                            }
    }
```

Output: