**National University of Modern Languages**

Logo

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**Lab Task**

**Roll # 2340**

**Class: BSCS 5B Morning**

**Subject: ADVANCE OOP**

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**About:** This task is about Transaction Management, and I have done it by Run time Gui to perform Insertion, Deletion, Updation, and Selection By Id. Then using Drag and Drop Gui I have performed Selection By Id to display the Table.

Transaction Dao Class:

import java.sql.\*;

public class transactiondao {

Connection con = null;

void **Connection**(){

try {

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

String url = "jdbc:mysql://localhost:3306/transaction";

con = DriverManager.getConnection(url, "root", "");

} catch (Exception ex) {

System.out.println(ex.toString());

}

}

int **Insert**(Transaction T){

Connection();

int res=0;

try {

String qry = "insert into tbltransaction values (?,?,?,?,?,?)";

PreparedStatement pst = con.prepareStatement(qry);

pst.setInt(1,T.Tid);

pst.setString(2,T.Tdate);

pst.setString(3,T.Ttype);

pst.setString(4,T.Tamount);

pst.setInt(5,T.Anumber);

pst.setString(6,T.served);

res = pst.executeUpdate();

con.close();

} catch (Exception ex) {

System.out.println(ex.toString());

}

return res;

}

int **Update**(Transaction T){

Connection();

int res=0;

try {

String qry = "update tbltransaction set Tdate=?, Ttype=?, Tamount=?, Anumber=?, Served=? where Tid=?";

PreparedStatement pst = con.prepareStatement(qry);

pst.setString(1,T.Tdate);

pst.setString(2,T.Ttype);

pst.setString(3,T.Tamount);

pst.setInt(4,T.Anumber);

pst.setString(5,T.served);

pst.setInt(6,T.Tid);

res = pst.executeUpdate();

con.close();

} catch (Exception ex) {

System.out.println(ex.toString());

}

return res;

}

int **Delete**(Transaction T){

Connection();

int res=0;

try {

String qry ="delete from tbltransaction where Tid=?";

PreparedStatement pst = con.prepareStatement(qry);

pst.setInt(1,T.Tid);

res = pst.executeUpdate();

con.close();

} catch (Exception ex) {

System.out.println(ex.toString());

}

return res;

}

ResultSet **SelectById**(Transaction T){

Connection();

ResultSet res=null;

try {

String qry="select \* from tbltransaction where Tid = ?";

PreparedStatement pst = con.prepareStatement(qry);

pst.setInt(1,T.Tid);

res = pst.executeQuery();

// con.close();

} catch (Exception ex) {

System.out.println(ex.toString());

}

return res;

}

}

**OUTPUT:**

**Insertion:**

Graphical user interface, application, Word

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**Updation:**

Graphical user interface, application, Word

Description automatically generated

**Deletion:**

Graphical user interface, application, Word

Description automatically generated

Selection By Id:

Graphical user interface, application

Description automatically generated

BY DRAG AND DROP GUI:

Graphical user interface, text

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Graphical user interface, text

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