

JDBC

Task:

Implement the following interface with JDBC functionalities.

ID	F_Name	DoB	Cell
s001	Sen	1954-02-03	789789
s002	Ben	1972-12-07	6899966
s003	Hen	1982-09-21	6666666

Current Row:

----- code support -----

A method that returns SQL Server Connection:

(use your DB Name, Username and Password)

```

// Connect to SQL Server
private Connection sqlConnect() throws ClassNotFoundException{
    Connection con = null;
    // connection string
    String url = "jdbc:sqlserver://localhost:1433;" + " databaseName=DB_1; "
        + " user=sa; password=sen";

    // driver to connect to DB server
    String driver = "com.microsoft.sqlserver.jdbc.SQLServerDriver";

    Class.forName(driver); // Loading the driver
    try {
        con = DriverManager.getConnection(url);
    } catch (SQLException ex) {
        Logger.getLogger(App_JDBC1.class.getName()).log(Level.SEVERE, null, ex);
    }
    return con;
}

```

A method that uses the above connection to return a DefaultTableModel loaded with data from Server:

(use your Table Name)

```

// Return a TableModel
public DefaultTableModel loadTable() throws SQLException {
    DefaultTableModel model = new DefaultTableModel();
    try {
        Connection connect = sqlConnect();

        Statement statement = connect.createStatement();
        rs = statement.executeQuery("select * from Table_1");

        meta = rs.getMetaData();

        // write column names
        for(int i=1;i<= meta.getColumnCount();i++){
            header.add( meta洗getColumn洗Name(i));
        }

        // write data from rows
        while (rs.next()){
            Vector <String> v = new Vector <String>();
            for (int i=1;i<= meta.getColumnCount();i++ ){
                v.add(rs.getString(i));
            }
            data.add(v);
        }
        model.setDataVector(data, header);

        rs.close();
        statement.close();
        connect.close();
        return model;
    } catch (ClassNotFoundException ex) {
        Logger.getLogger(App_JDBC1.class洗GetName()).log(Level.SEVERE, null, ex);
        return null;
    }
}

```