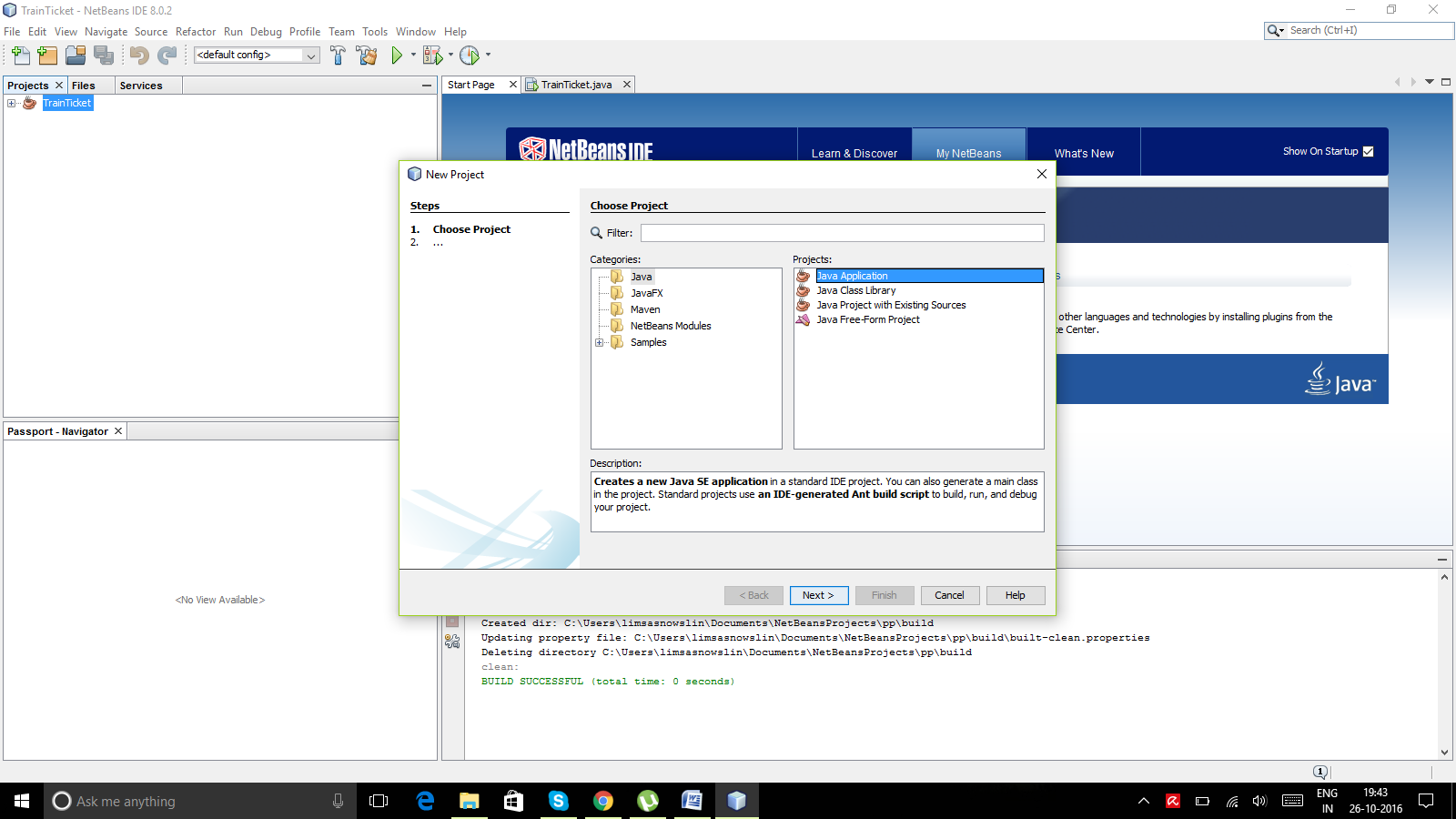
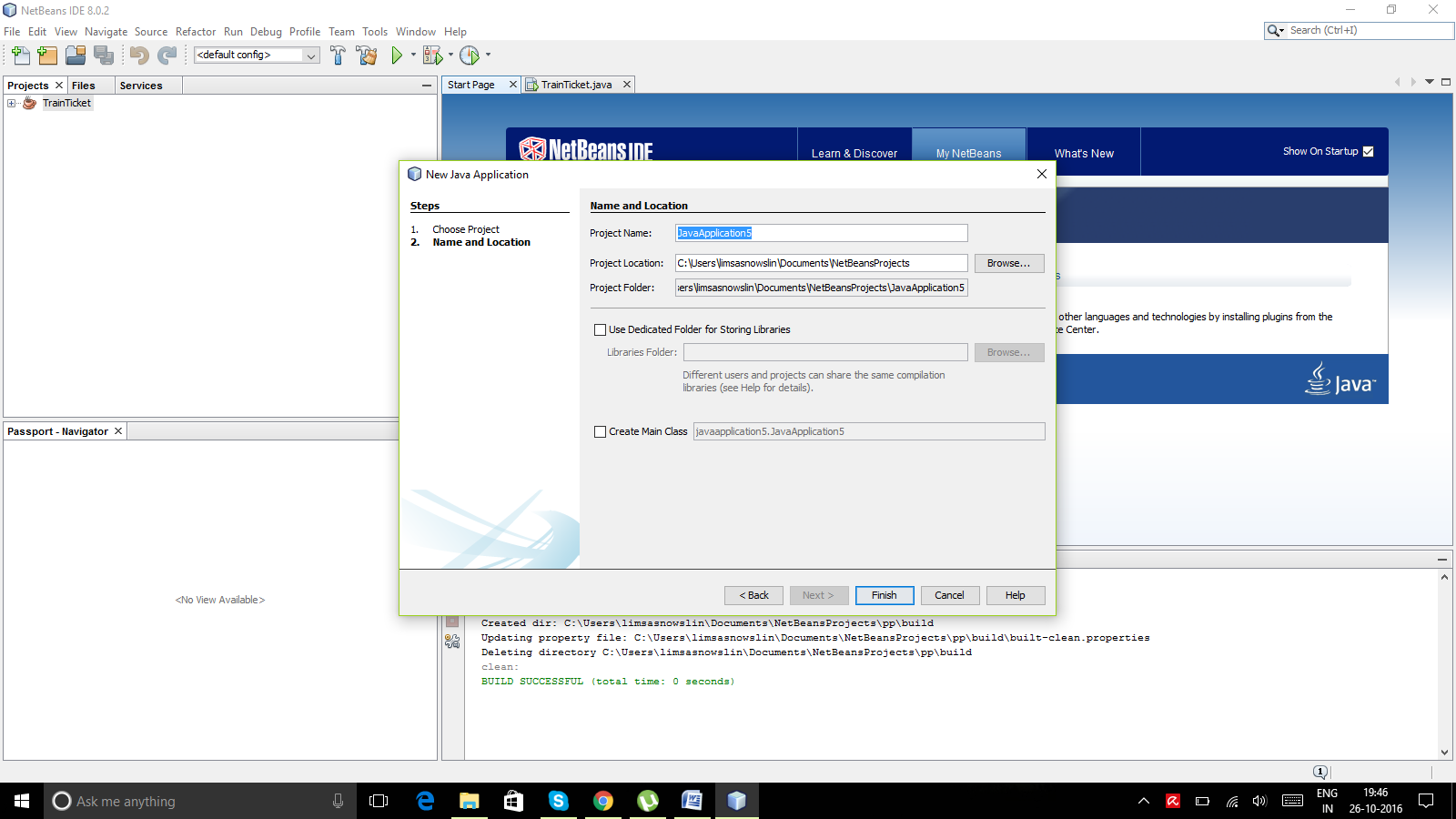
**Steps to be followed in Netbeans**

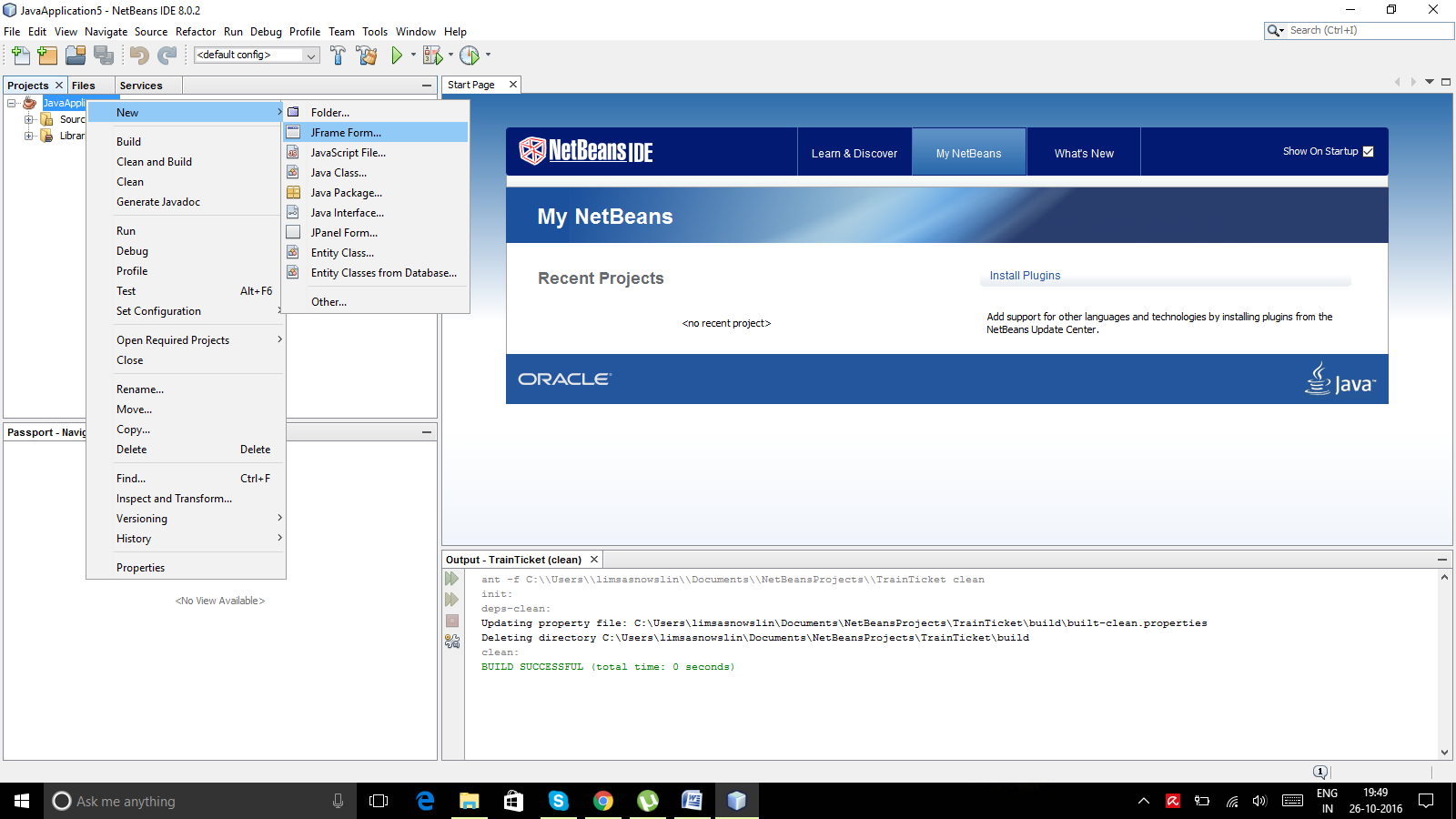
**Step 1:**  Goto Netbeans-file-new project-java-java Application\_click Next

****

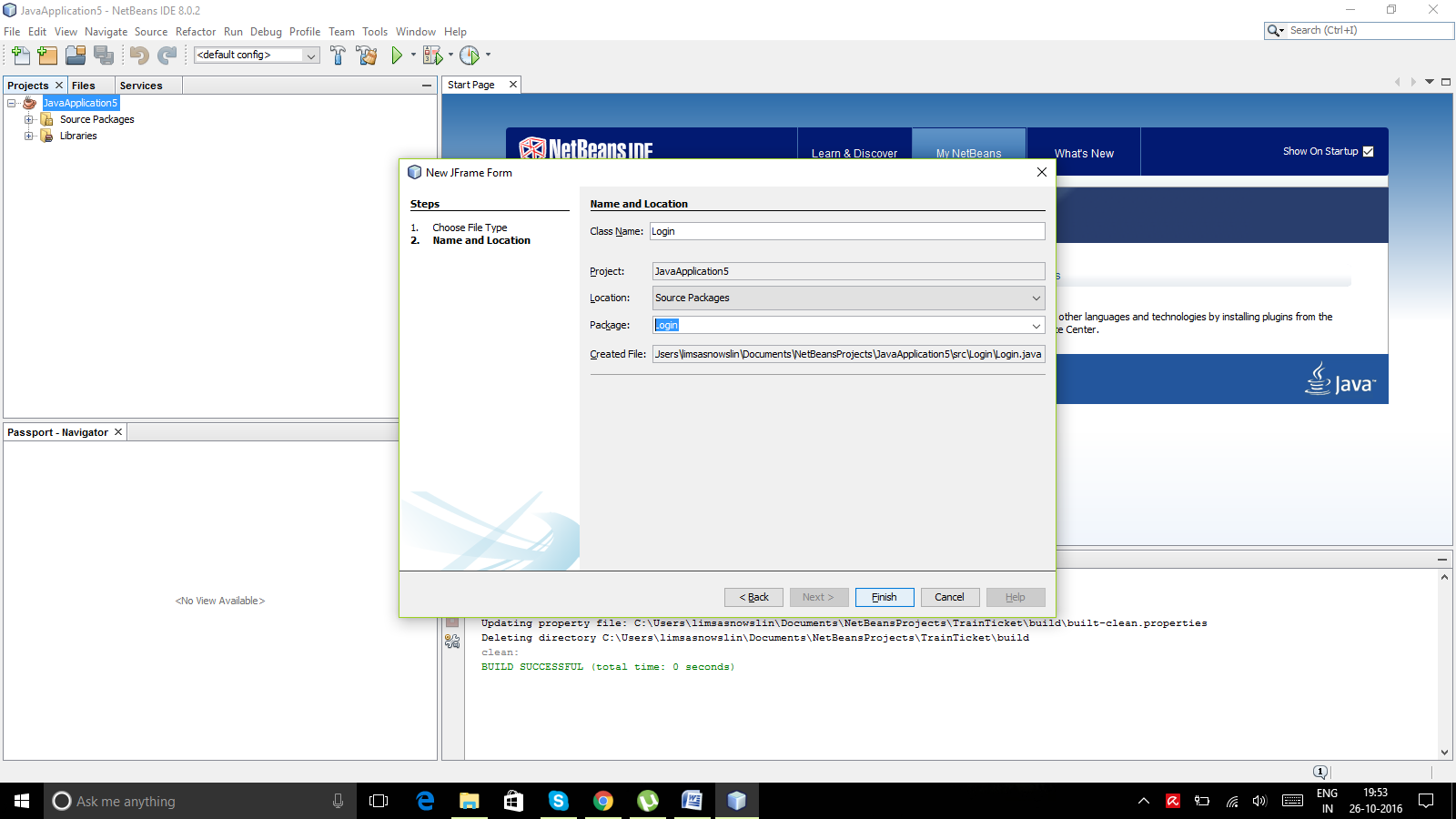
**Step 2:** Type project name-click finish

****

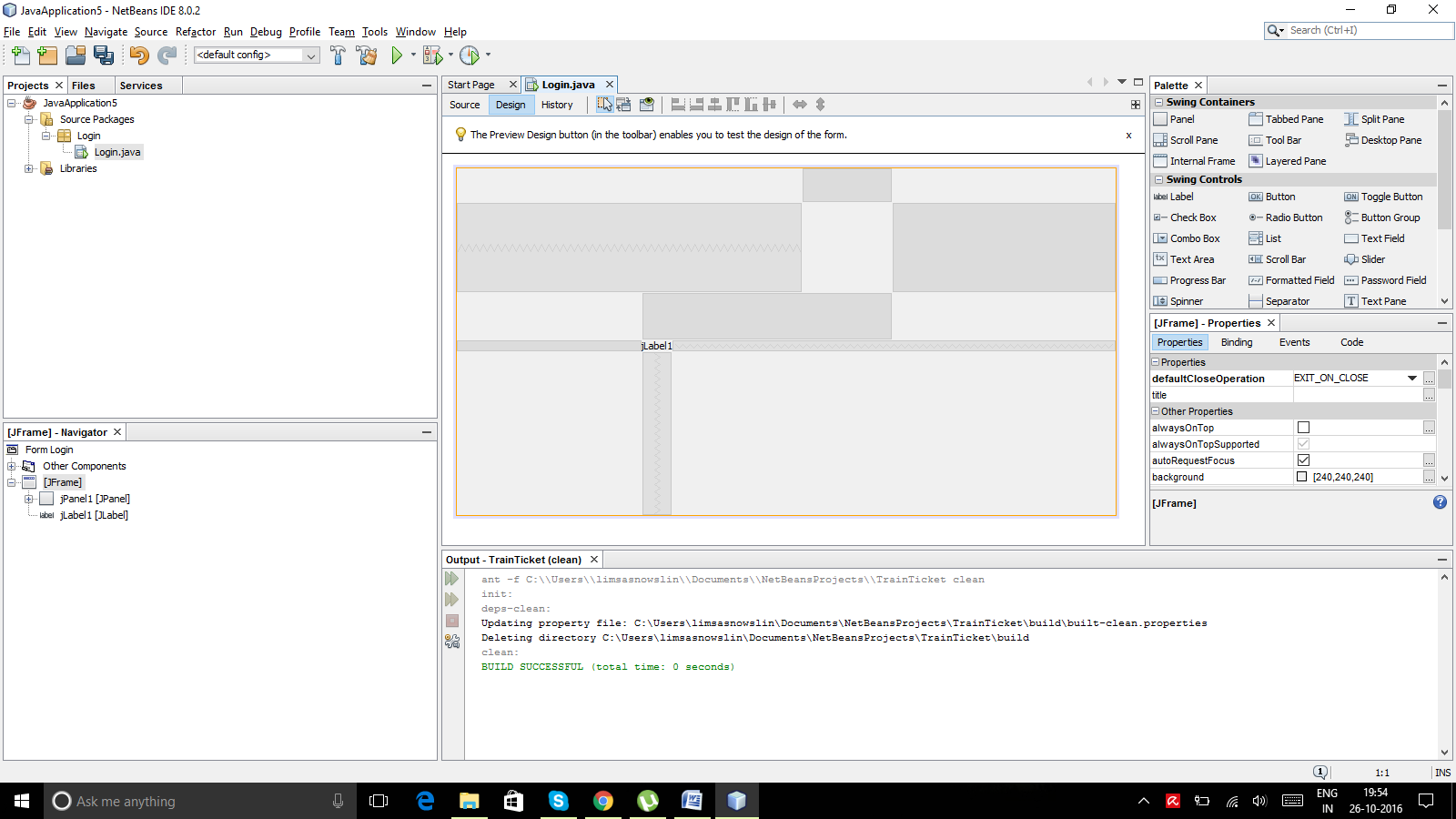
**Step 3:** Right click project name-new-JFrame Form

****

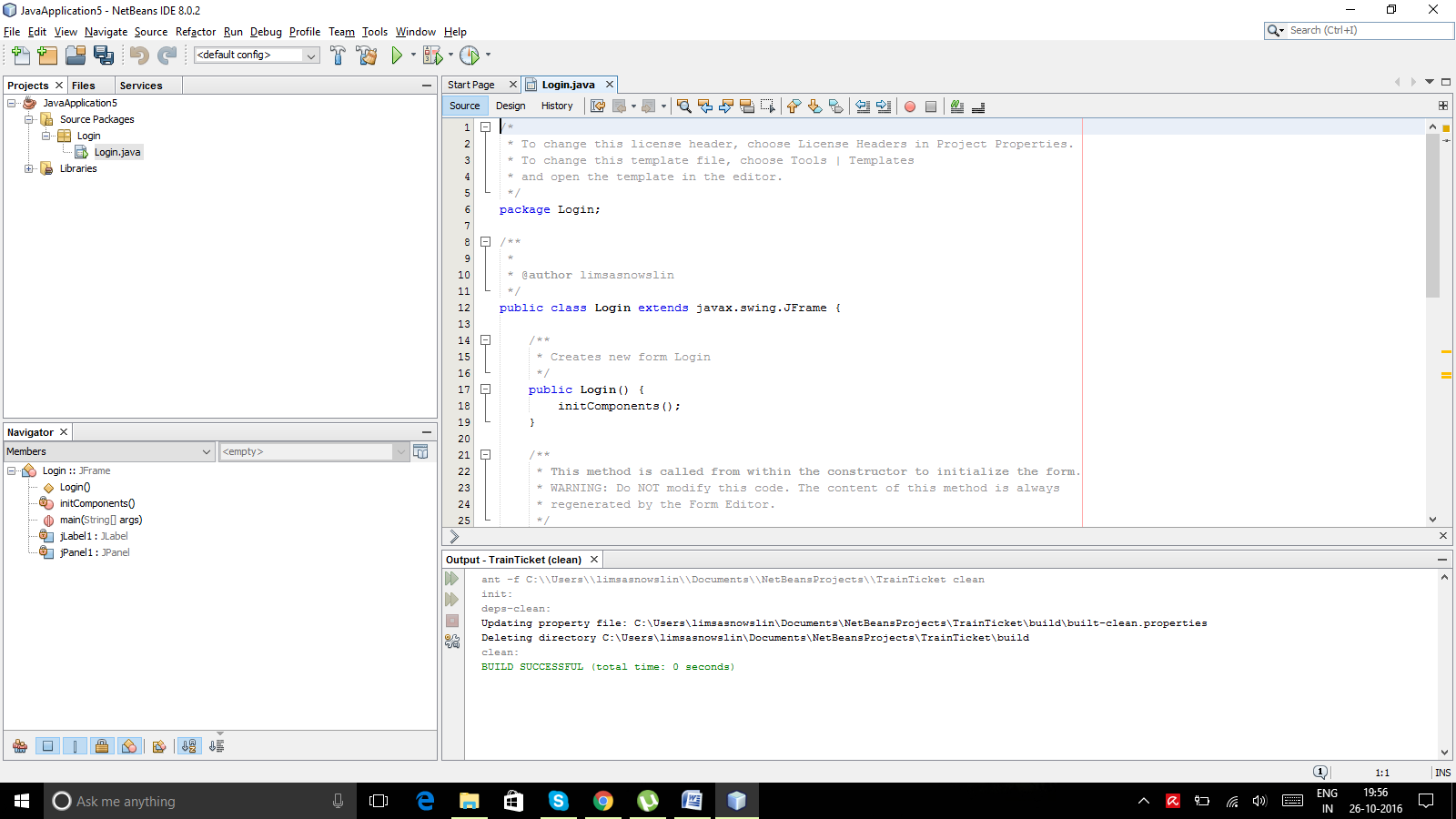
**Step 4:** Type class name and package name(Both should be same)-click finish



**Step 5:** design the user interface layer using the options available in the right side of the screen

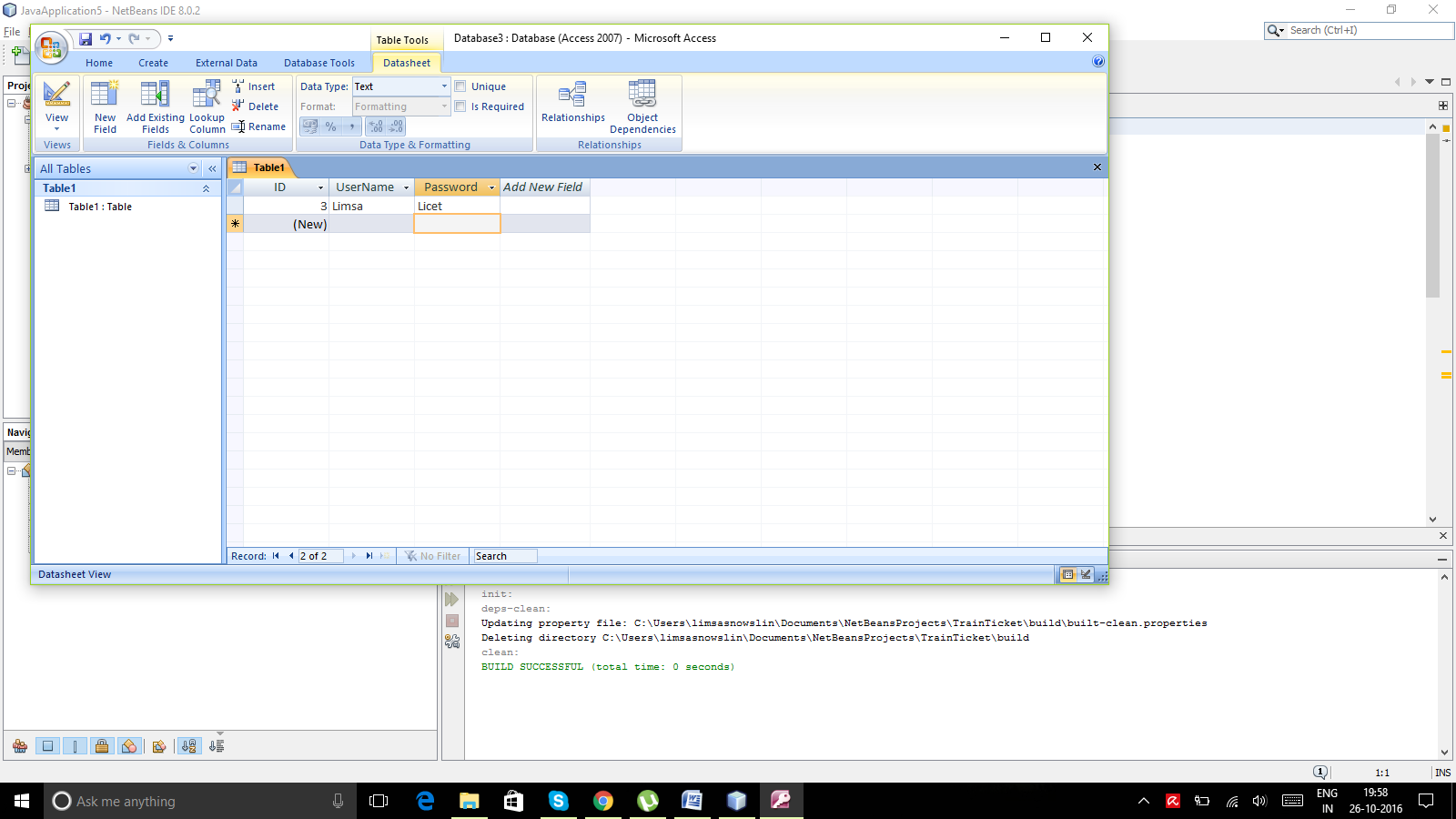


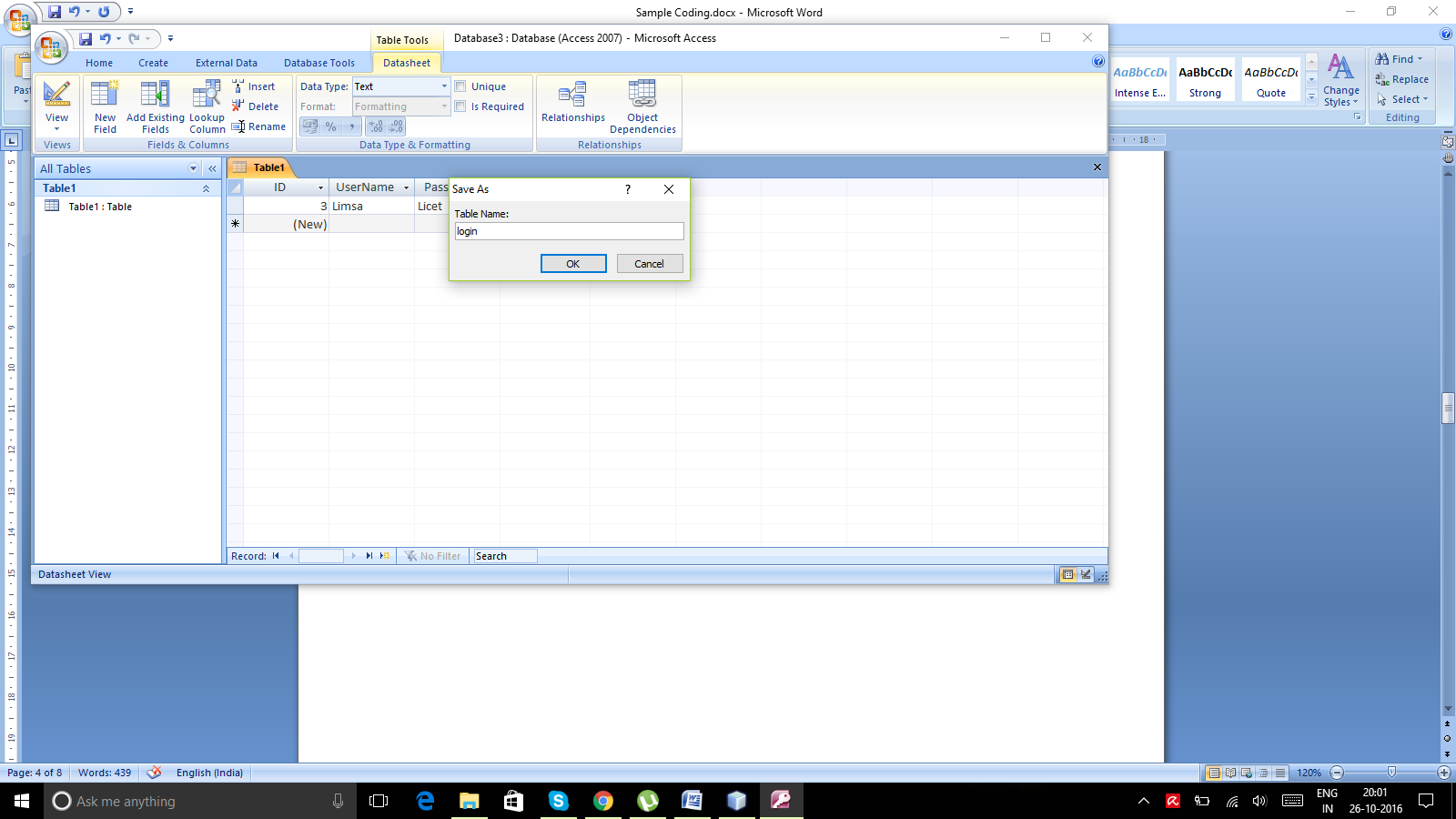
Step6: Edit the source code based on the application and design



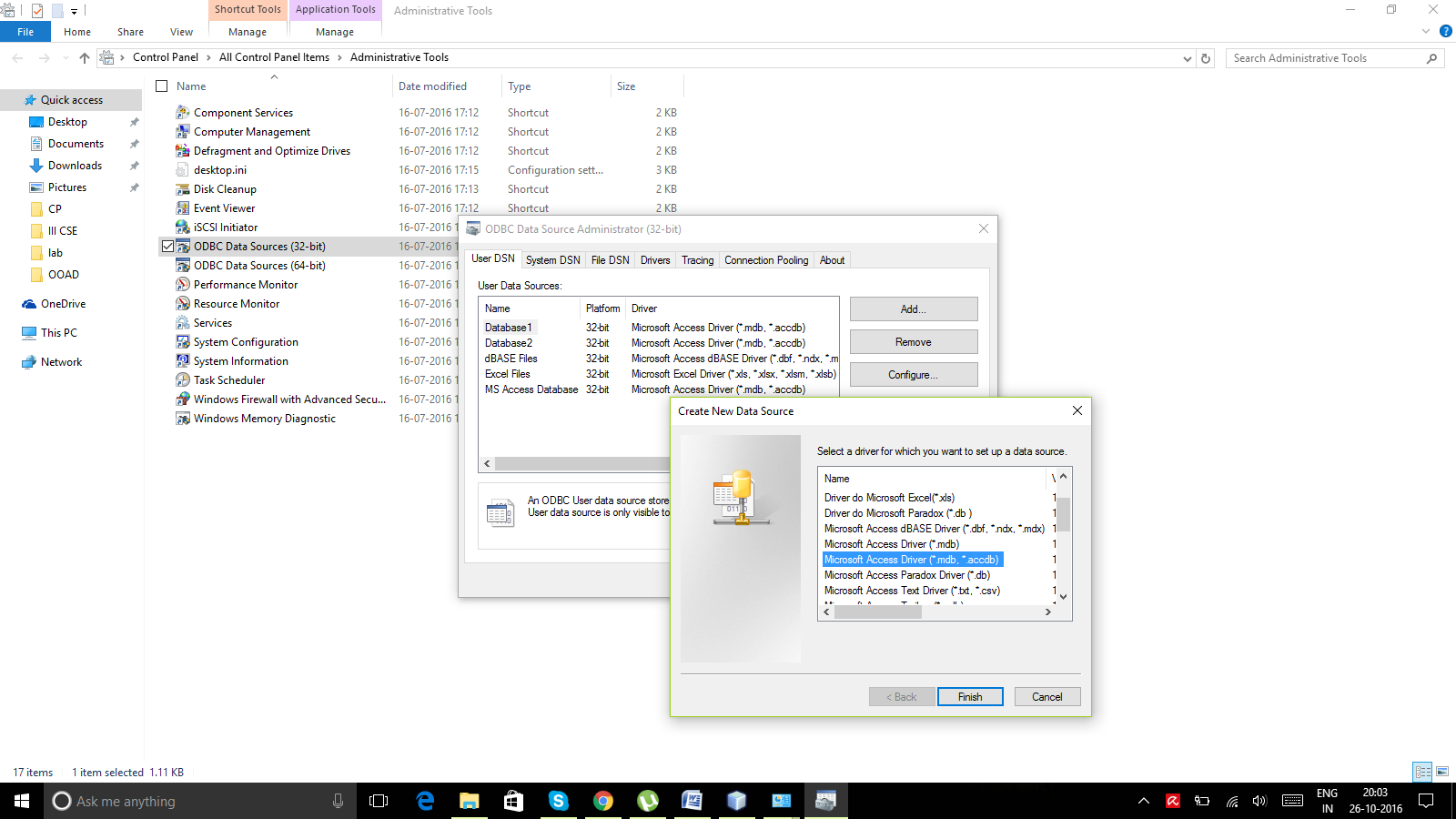
**Steps for creating database**

**Step 1:** Goto Access-new-blank database-create table-save (make a note of the database name, table name and the path)

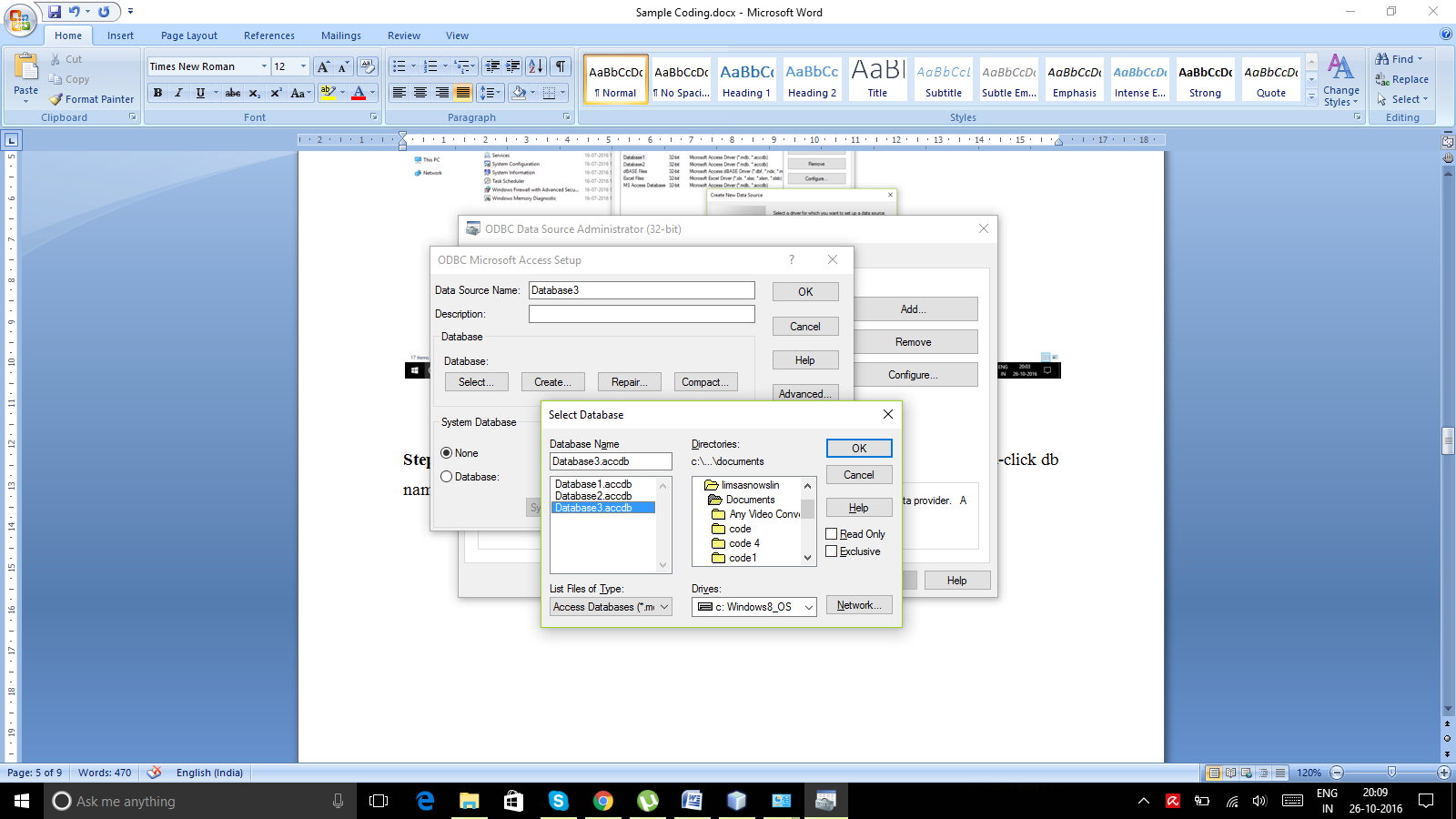


****

**Step 2:** Goto control panel-Administrative tools- ODBC Data sources(32-bit)-Select Add-select Microsoft Access Driver(\*.mdb,\*.accdb)-Click finish

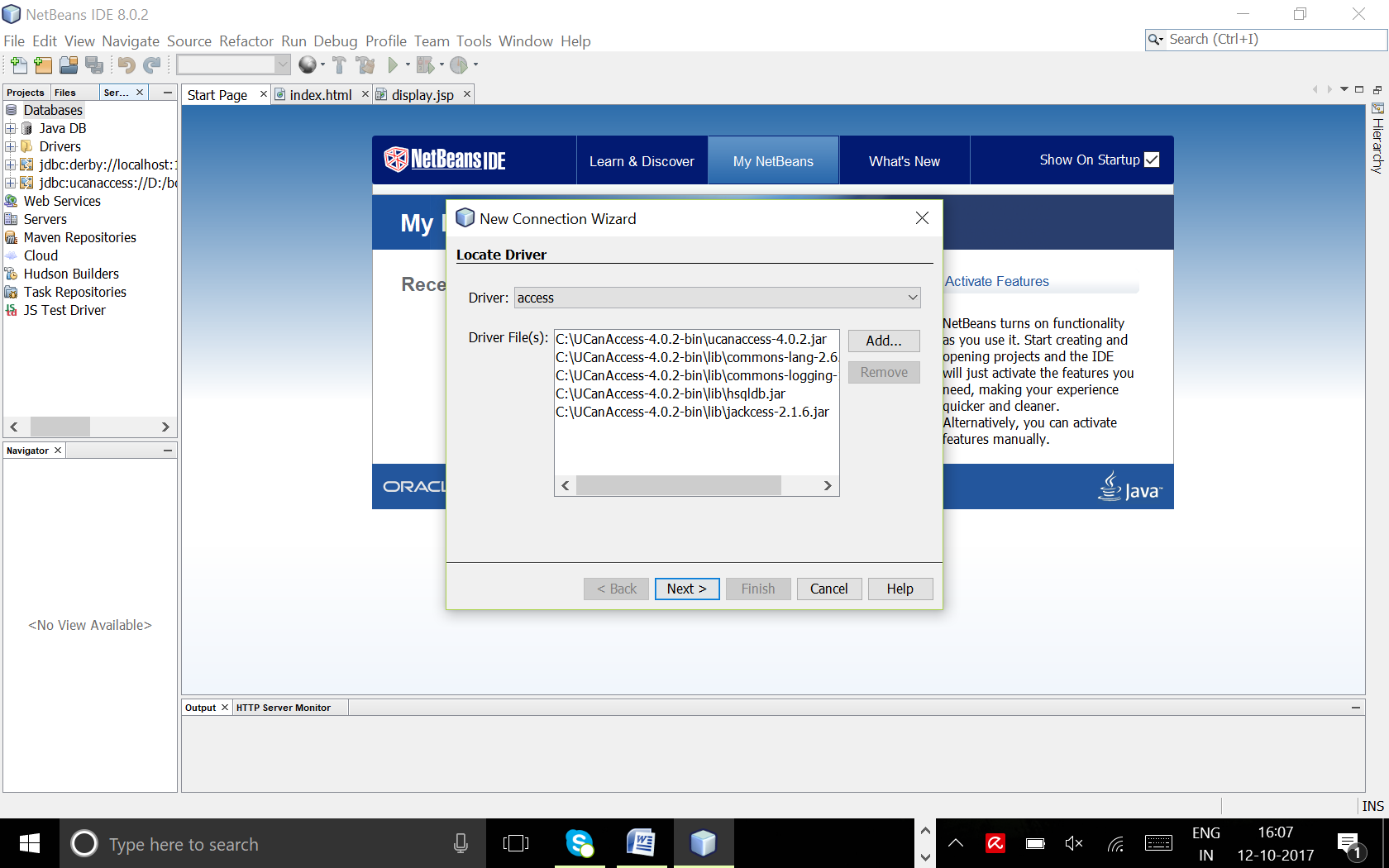


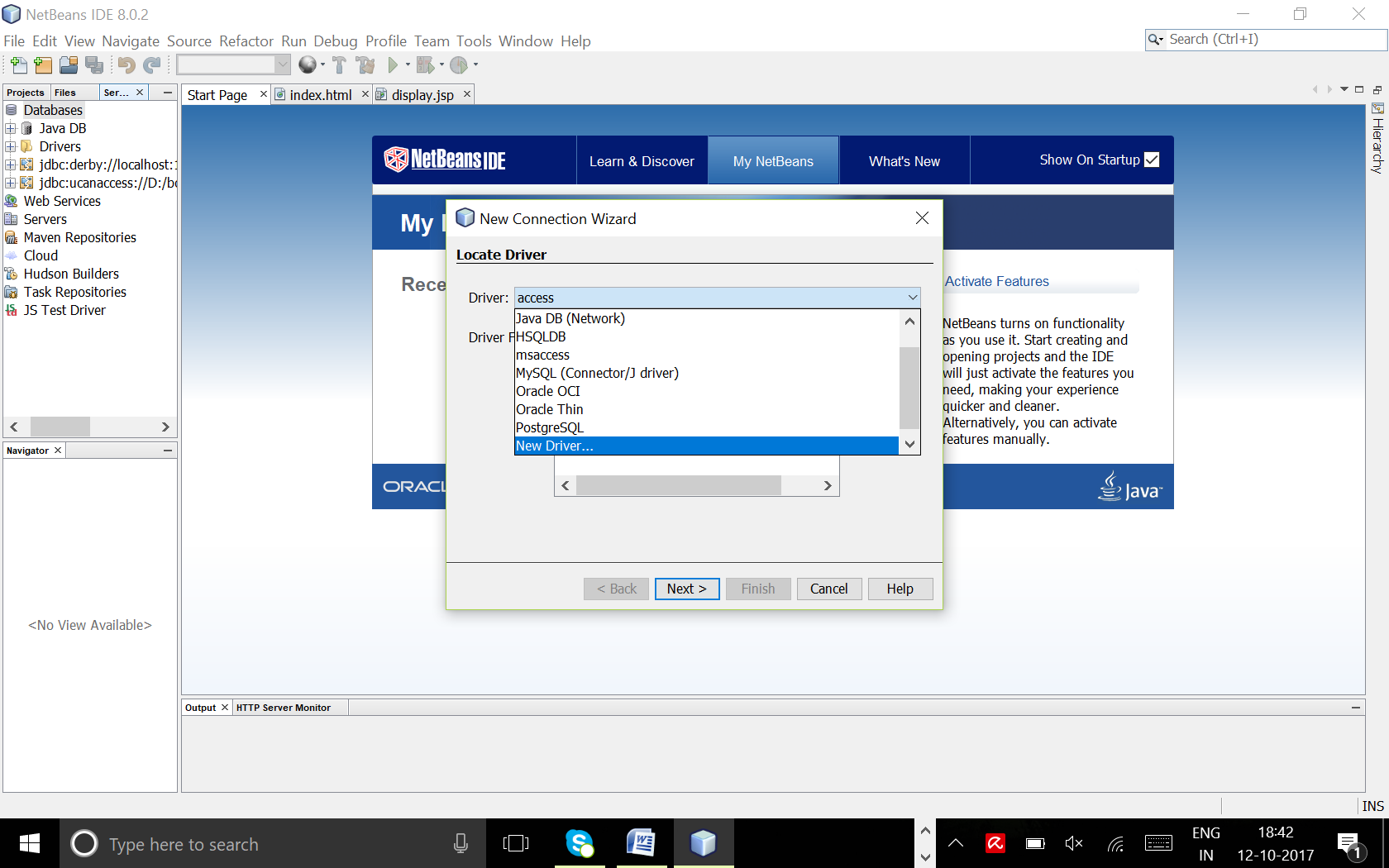
**Step 3:** Type Datasource name-click select-select the path in which the db is located-click db name-click ok



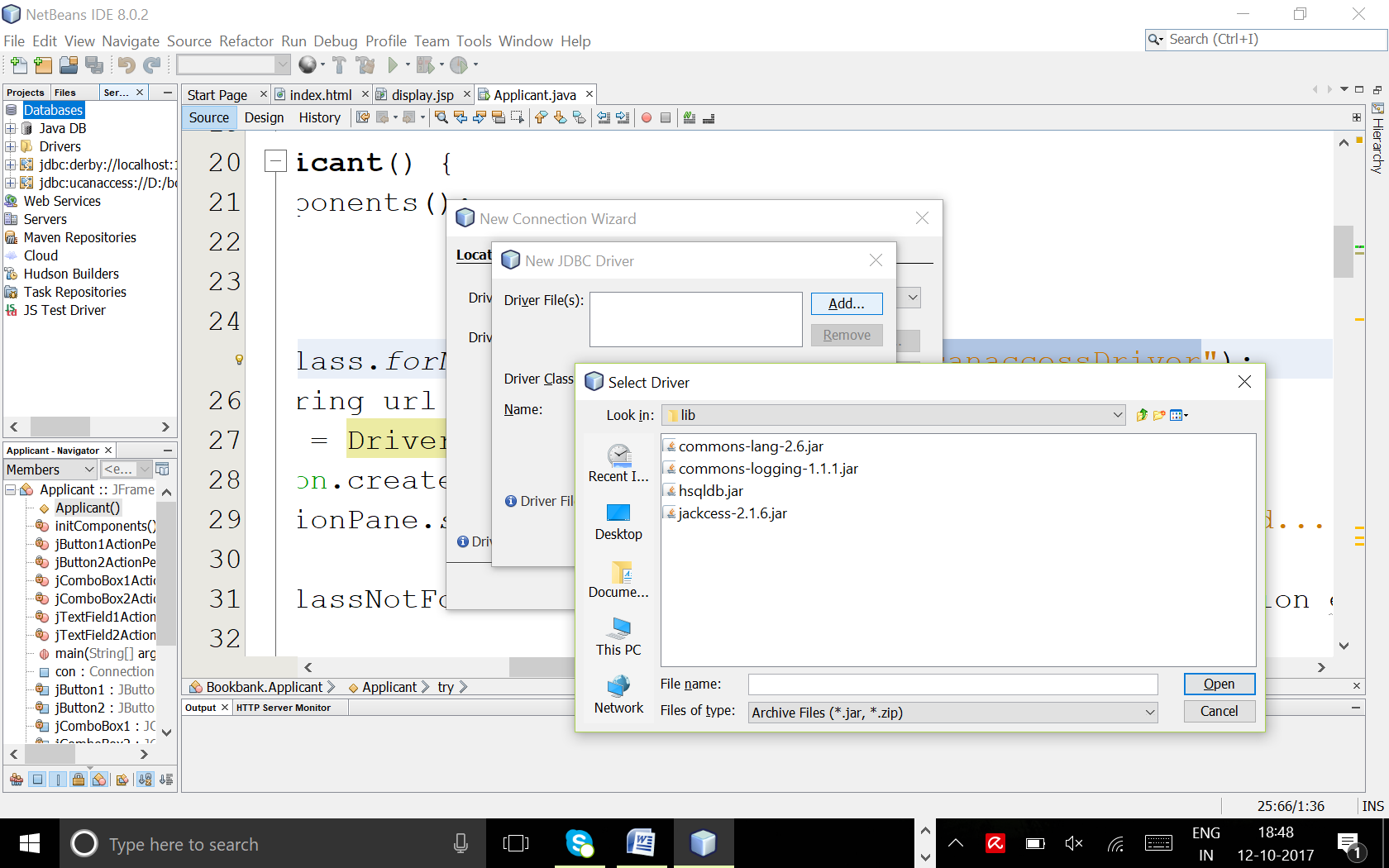
**Step 4: Add your access db file to the database in the NetBeans IDE.**

**Netbeans -> Services -> Databases(Right Click)**

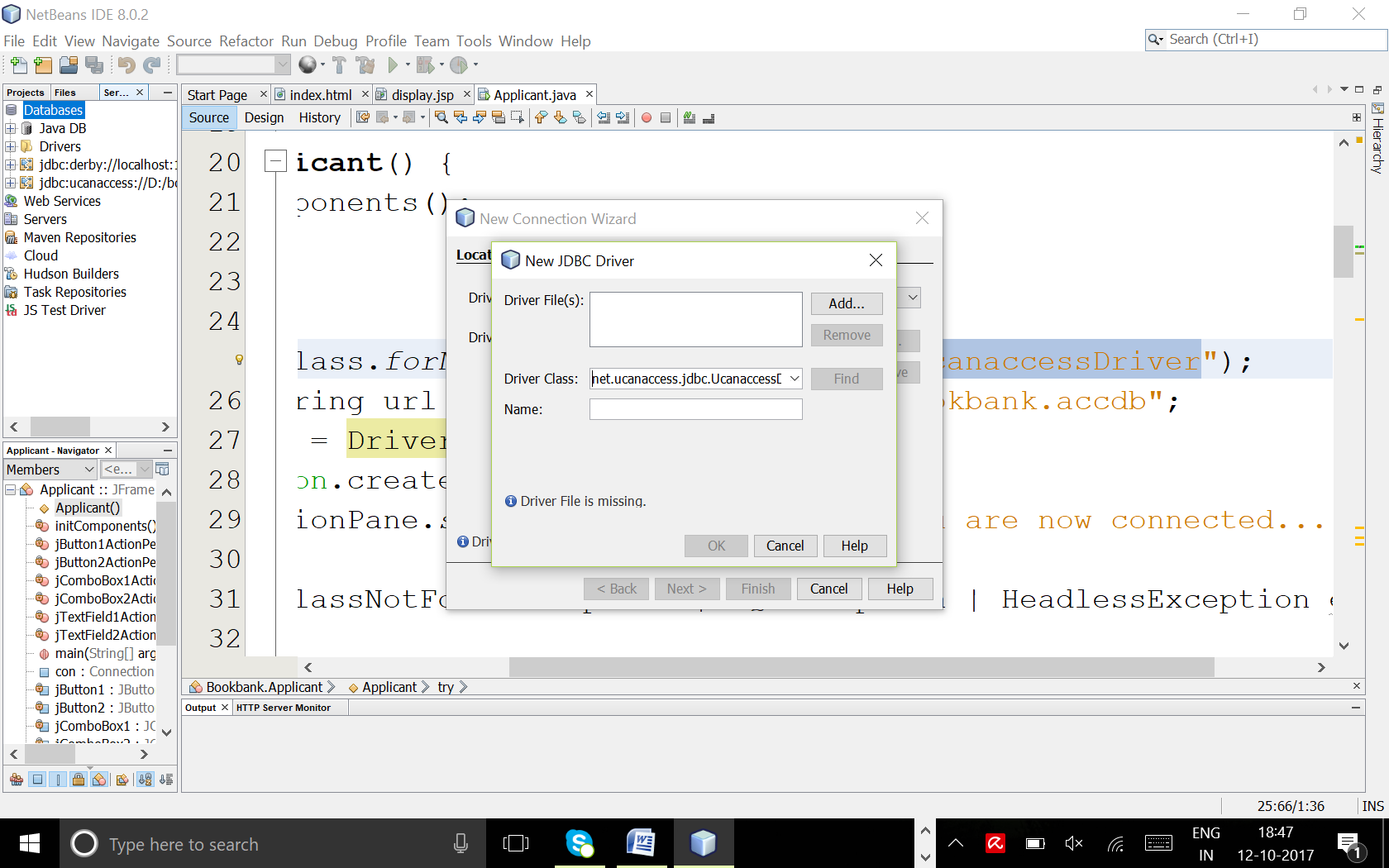
****

****

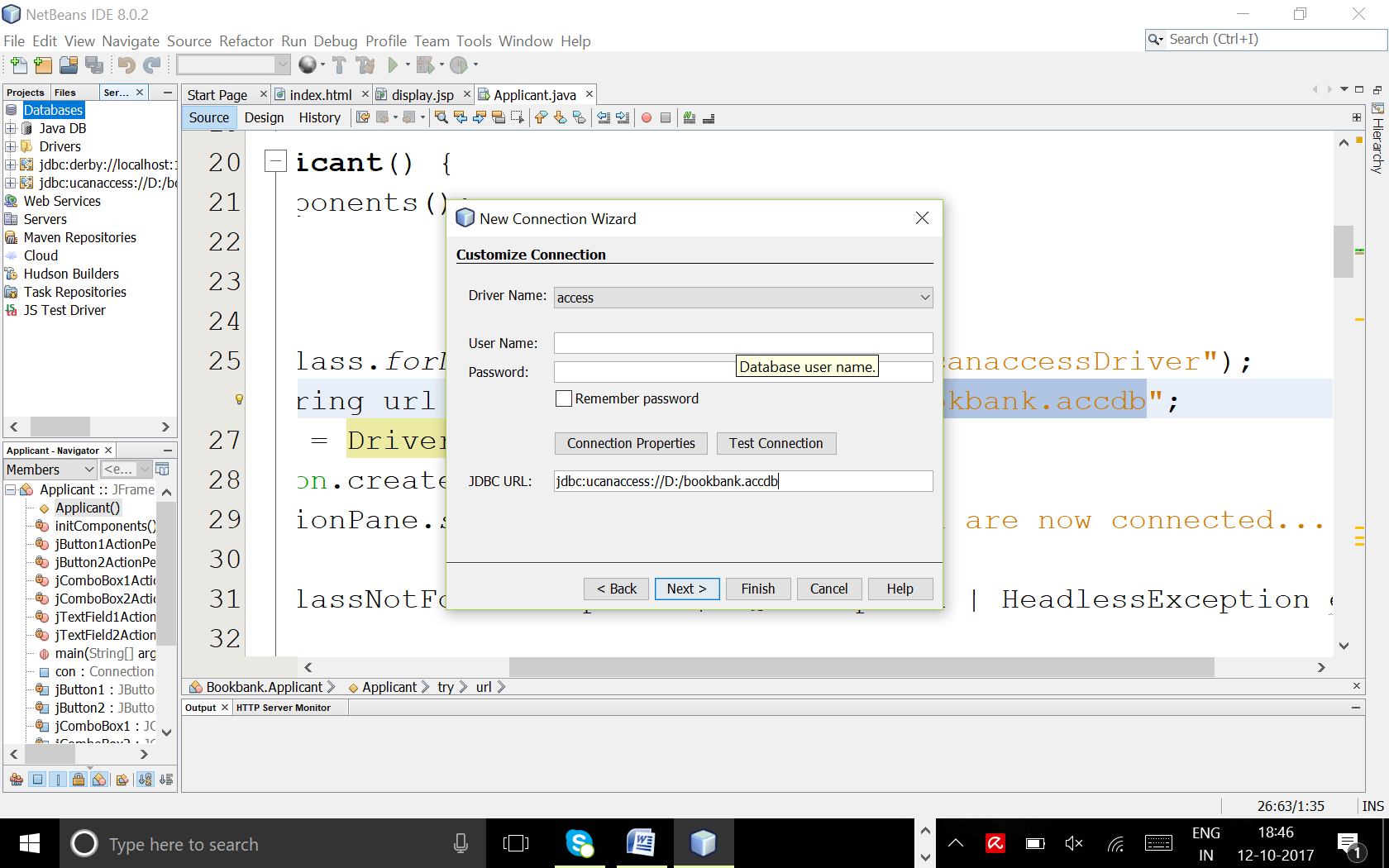
**Add all the five jar files from ucanaccess folder stored in the local drive**

****

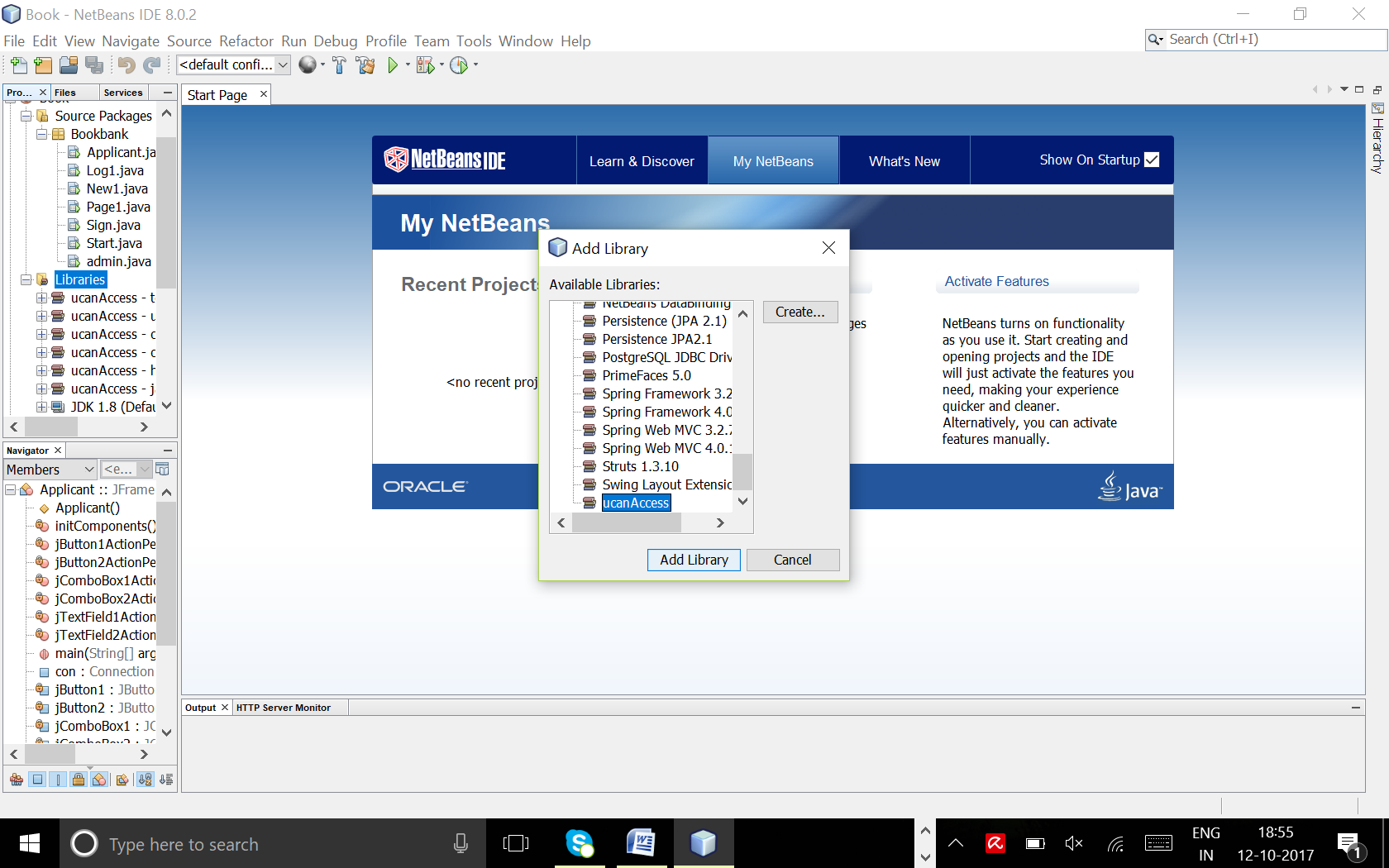
**Add driver class - net.ucanaccess.jdbc.UcanaccessDriver**

****

**Add JDBC URL - jdbc:ucanaccess://D:/bookbank.accdb**

****

**Add ucanaccess jar files to the Library**

****

**Sample Coding**

**Note: Text in bold should be entered by you.**

***Applicant.java***

package Sample;

**import java.sql.\*;**

**import javax.swing.JOptionPane;**

public class Applicant extends javax.swing.JFrame {

**public Connection con;**

**public Statement st;**

**public ResultSet r;**

**/\*\* Creates new form start \*/**

public Applicant()

{

initComponents();

***//Code for Database Connectivity***

**try**

**{**

**Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");**

**String url = "jdbc:ucanaccess://D:/bookbank.accdb";**

**con = DriverManager.getConnection(url);**

**System.out.println("Connected");**

**JOptionPane.showMessageDialog(null, "You are now connected...!!!");**

**}**

**catch(Exception e)**

**{**

**JOptionPane.showMessageDialog(null, "unable to connect");**

**}**

}

***//Code for Button1\_Based on user interface design(forms)***

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

// TODO add your handling code here:

**try{**

**String name = jTextField1.getText();**

**String fname = jTextField2.getText();**

**String dob = jTextField3.getText();**

**String paddr = jTextArea1.getText();**

**String taddr = jTextArea2.getText();**

**String panno = jTextField6.getText();**

**String email = jTextField4.getText();**

**String mob = jTextField5.getText();**

**String pver="null";**

**String raver="null";**

**String paver="null";**

**System.out.println("Action performed1");**

**String sql= "INSERT INTO applicant (name1,fname,dob,paddr,taddr,panno,email,mob,pver,raver,paver) VALUES ('"+name+"','"+fname+"','"+dob+"','"+paddr+"','"+taddr+"','"+panno+"','"+email+"','"+mob+"', '"+pver+"', '"+raver+"', '"+paver+"')";**

**st=con.createStatement();**

**st.executeUpdate(sql);**

**System.out.println("First insert");**

**String sql2= "INSERT INTO status (name1,panno,pver,raver,paver) VALUES ('"+name+"','"+panno+"','"+pver+"', '"+raver+"', '"+paver+"')";**

**st.executeUpdate(sql2);**

**JOptionPane.showMessageDialog(null, "Data successfully inserted");**

**setVisible(false);**

**}**

**catch(Exception e)**

**{**

**JOptionPane.showMessageDialog(null, "Data insertion failure");**

**}**

***//Link to next form***

**new Login().setVisible(true);**

**}**

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Login.java**

package Sample;

import java.sql.\*;

import javax.swing.JOptionPane;

public class Login extends javax.swing.JFrame {

**public Connection con;**

**public Statement st;**

/\*\* Creates new form Login \*/

public Login() {

initComponents();

***//Code for Database Connectivity***

**try**

**{**

**Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");**

**String url = "jdbc:ucanaccess://D:/bookbank.accdb";**

**con = DriverManager.getConnection(url);**

**st=con.createStatement();**

**JOptionPane.showMessageDialog(null, "You are now connected...!!!");**

**}**

**catch(Exception e)**

**{**

**JOptionPane.showMessageDialog(null, "unable to connect");**

**}**

}

***//Code for Button2\_Based on user interface design(forms)***

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton2ActionPerformed

// TODO add your handling code here:

**try{**

**String user = jTextField1.getText();**

**String pass = String.valueOf(jPasswordField1.getText());**

**String sqlquery1 = "Select \* from login where username='"+user+"'and password='"+pass+"'";**

**ResultSet rs = st.executeQuery(sqlquery1);**

**if(rs.next())**

**{**

***//Link to next form***

**setVisible(false);**

**new New().setVisible(true);**

**}**

**else{**

**JOptionPane.showMessageDialog(null, "Wrong username or password");**

**}**

**}**

**catch(Exception e)**

**{**

**JOptionPane.showMessageDialog(null, "Unable to login");**

**}**

}//GEN-LAST:event\_jButton2ActionPerformed

***//Code for Button1\_Based on user interface design(forms)***

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

// TODO add your handling code here:

***//Link to next form***

**setVisible(false);**

**new Applicant().setVisible(true);**

}//GEN-LAST:event\_jButton1ActionPerformed