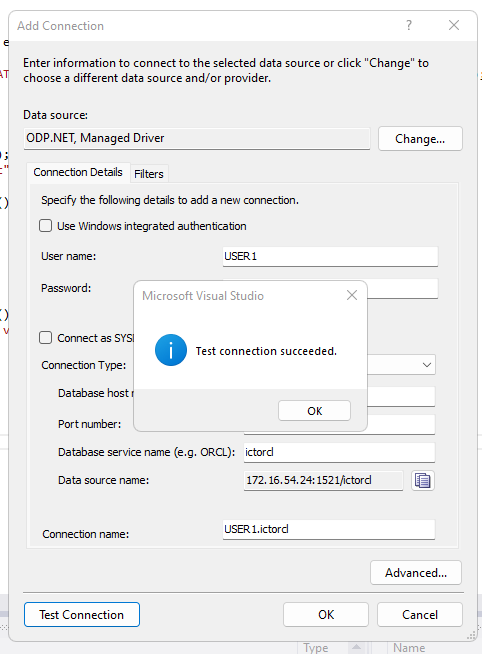
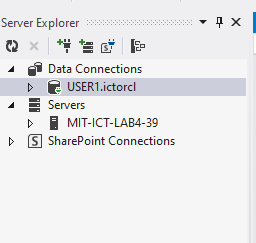
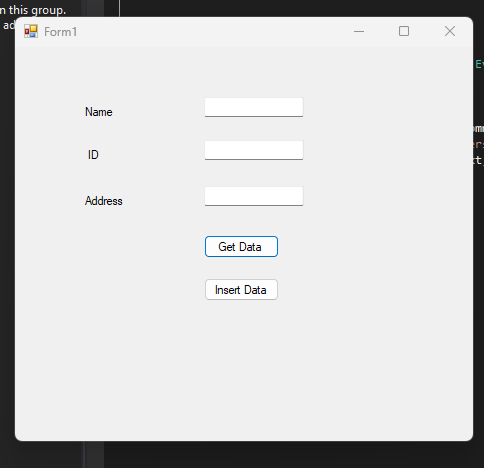
Tools🡪connect to database🡪

Click on Test Connection







**SQL> create table person01( name varchar(6), ID varchar(3), address varchar(10));**

**Table created.**

**SQL> desc person01**

**Name Null? Type**

**----------------------------------------- -------- ----------------------------**

**NAME VARCHAR2(6)**

**ID VARCHAR2(3)**

**ADDRESS VARCHAR2(10)**

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using Oracle.DataAccess.Client;

namespace WindowsFormsApplication3

{

public partial class Form1 : Form

{

OracleConnection conn;

public Form1()

{

InitializeComponent();

}

private void Form1\_Load(object sender, EventArgs e)

{

}

public void ConnectDB()

{

conn = new OracleConnection("DATA SOURCE=172.16.54.24:1521/ictorcl;USER ID=USER1;PASSWORD=student");

try

{

conn.Open();

MessageBox.Show("Connected");

}

catch (Exception e1)

{

}

}

private void button1\_Click(object sender, EventArgs e)

{

// to fetch data from student;

ConnectDB();

OracleCommand command1 = conn.CreateCommand();

command1.CommandText = "select name,id,address from person\_033";

command1.CommandType = CommandType.Text;

OracleDataReader dr = command1.ExecuteReader();

dr.Read();

textBox1.Text = dr.GetString(0);

textBox2.Text = dr.GetString(1);

textBox3.Text = dr.GetString(2);

command1.Dispose();

conn.Close();

}

private void button2\_Click(object sender, EventArgs e)

{

ConnectDB();

OracleCommand command1 = conn.CreateCommand();

command1.CommandText = "insert into person01 values('" + textBox1.Text + "','" + textBox2.Text + "','" + textBox3.Text + "')";

command1.CommandType = CommandType.Text;

command1.ExecuteNonQuery();

MessageBox.Show("Inserted");

command1.Dispose();

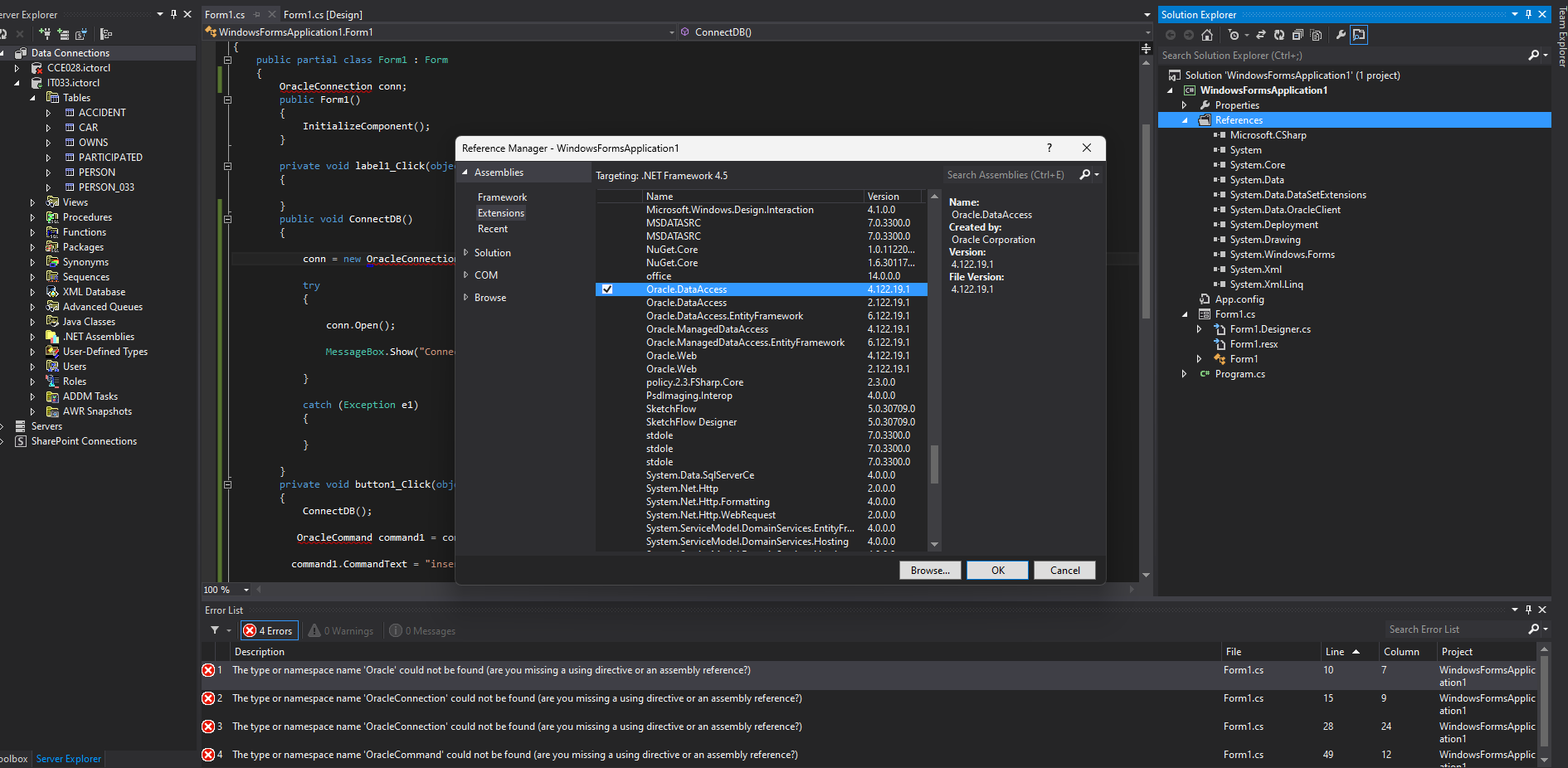
conn.Close();

}

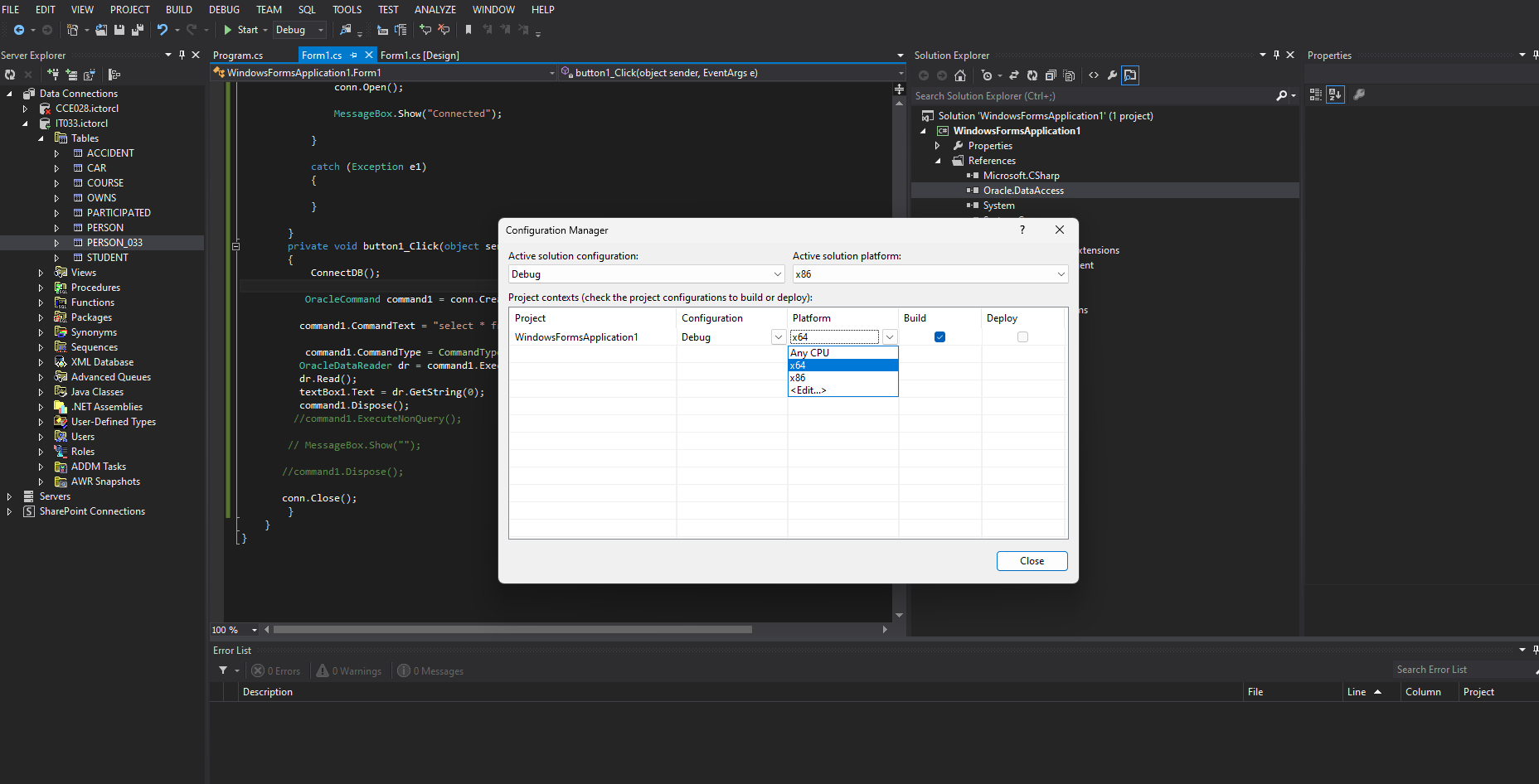
}

}

Next step: go to solution explorer-> references-> right click-> add references



Build configuration manager



C:\Users\STUDENT\Documents\Visual Studio 2012\Projects\WindowsFormsApplication1\WindowsFormsApplication1\

For executing the sql scripts

private void button5\_Click(object sender, EventArgs e)

        {

            ConnectDB();

            OracleCommand command1 = conn.CreateCommand();

            command1.CommandText = "@C:/Users/STUDENT/Desktop/lab6.sql";

            command1.CommandType = CommandType.Text;

            command1.Dispose();

            OracleCommand command2 = conn.CreateCommand();

            command2.CommandText = "select deptcount(department) from instructor group by(department)";

            command2.CommandType = CommandType.Text;

            OracleDataReader dr = command2.ExecuteReader();

            dr.Read();

            label8.Text = label8.Text+dr.GetInt32(0).ToString();

            command2.Dispose();

            conn.Close();

        }

 }

create or replace function deptcount(dept varchar)

return integer is

      d\_count integer;

begin

      select count(\*) into d\_count

      from instructor

      where instructor.department = dept;

      return d\_count;

end;

/

To add data grids:

To display data in a table:

Drag and drop DataGridView from toolbox on the form. Right click on dataGridView->add column (number of columns based on your requirement)-> Change the header text (Eg: deptname, name of instructor) as you want it to appear in the form.

connect();

comm1 = new OracleCommand();

comm1.Connection = conn;

comm1.CommandText = "select \* from instructor where deptname="+"'ict'";

comm1.CommandType = CommandType.Text;

OracleDataAdapter da = new OracleDataAdapter(comm1.CommandText, conn);

// An OracleDataAdapter object represents a data provider object that populates the DataSet and updates changes in the DataSet to the Oracle database

DataSet ds = new DataSet(); // This is a collection of DataTables. We use the DataSet type to store many DataTables in a single collection

da.Fill(ds, "instructor"); // DataAdapter.Fill (ds) here fetches the data from User and fills in the DataSet ds.

dataGridView1.DataSource = ds.Tables[0]; // will access data at the 0th position. Similarly you can have one more query, one more data adaptor object, fill data set with some other relation’s data on which the query has to run ( in which case, ds.table[1] will have that queries result which should be assigned to data grid view)