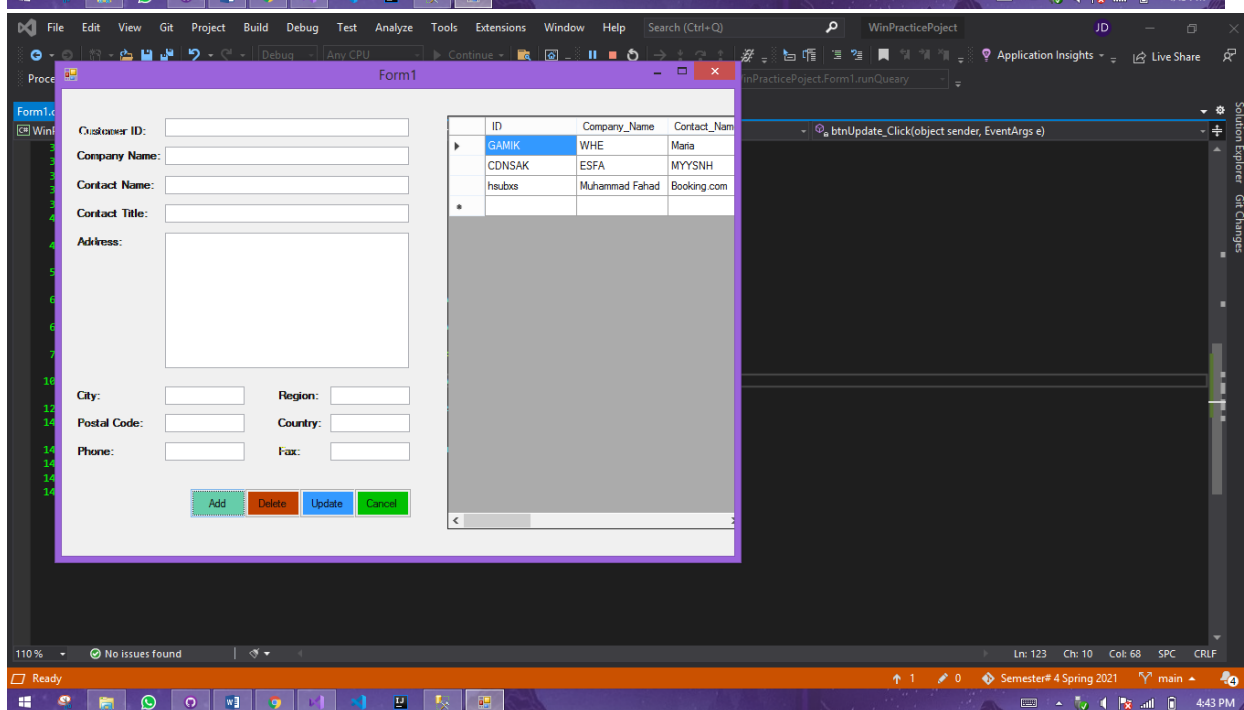
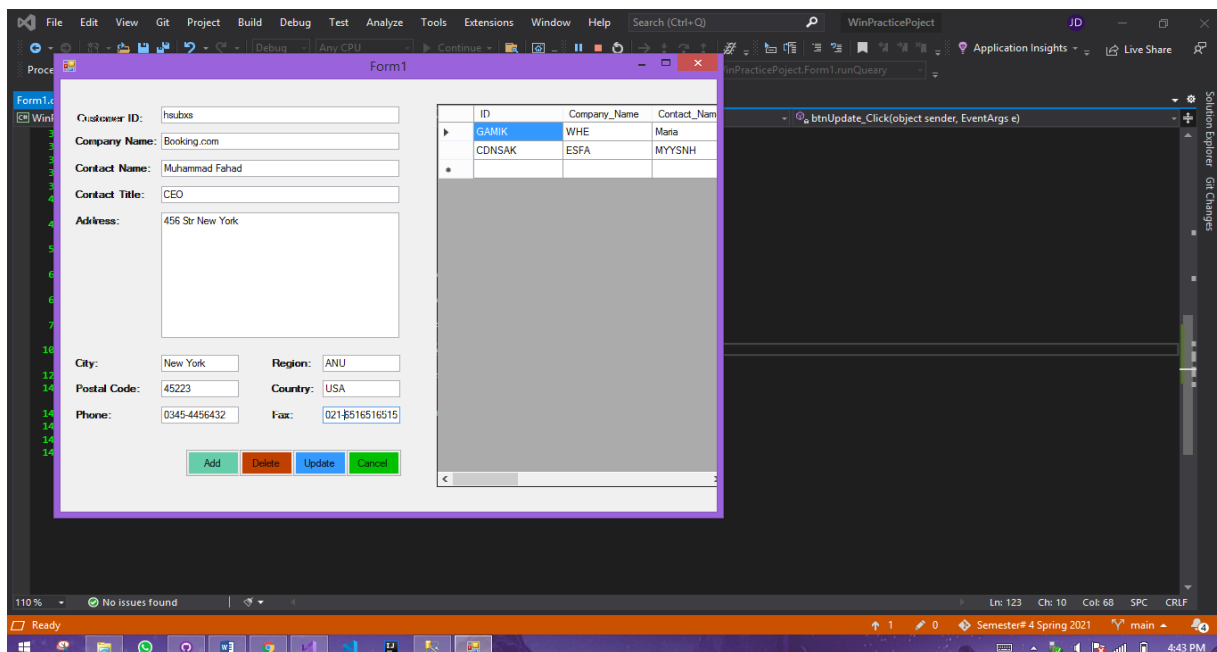


Activity Assignment - Using Windows Form Programming C#.Net

Insertion of Data



Code:

```
private void btnAdd_Click(object sender, EventArgs e)
{
    string InsertQureay = "insert into Contact values('"
        + txtID.Text + "','" +
        txtCName.Text + "','" +
        txtName.Text + "','" +
        txtCtitle.Text + "','" +
        txtAddress.Text + "','" +
        txtCity.Text + "','" +
        txtPostal.Text + "','" +
        txtPhone.Text + "','" +
        txtRegion.Text + "','" +
        txtCountry.Text + "','" +
        txtFax.Text + "')";

    runQueary(InsertQureay);
}

public void runQueary(string QRY)
{
    // Pass Query and Connection object into the SQL Command
    SqlCommand obj = new SqlCommand(QRY, con);

    // Open & Close Database after execute the query
    con.Open();
    obj.ExecuteNonQuery();
    con.Close();

    getData();
}
```

Delete from Database

The screenshot shows a WinForms application running in Visual Studio. The application window, titled 'Form1', contains a form with the following fields:

- Customer ID:
- Company Name:
- Contact Name:
- Contact Title:
- Address:
- City: Region:
- Postal Code: Country:
- Phone: Fax:

At the bottom of the form are four buttons: 'Add' (green), 'Delete' (red), 'Update' (blue), and 'Cancel' (green). The 'Delete' button is currently highlighted.

To the right of the form is a table with the following data:

ID	Company_Name	Contact_Name
GAMIK	WHE	Maria
CDNSAK	ESFA	MYYSNH
hsuhsa	Muhammad Fahad	Booking.com

The background shows the Visual Studio IDE with the Solution Explorer and Code Editor. The Code Editor displays the code for the 'btnUpdate_Click' event handler.

Code

```
private void btnDelete_Click(object sender, EventArgs e)
{
    if (ID != "")
    {
        runQueary("DELETE FROM Contact WHERE Id = '" + txtID.Text + "';");
        ID = "";
    }
}
```

Update into Database:

The top screenshot shows the 'Form1' application window. The form contains the following fields:

- Customer ID: CDNSAK
- Company Name: MYYSNH
- Contact Name: ESFA
- Contact Title: MANAGER
- Address: 4568 Str USA
- City: Berlin
- Region: ADC
- Postal Code: 75331
- Country: USA
- Phone: 0300-8855554
- Fax: 0322-521545

The table in the background shows the following data:

ID	Company_Name	Contact_Name
GAMIK	WHE	Maria
CDNSAK	ESFA	MYYSNH

The bottom screenshot shows the same 'Form1' application window. The form fields are now empty. The table in the background shows the following data:

ID	Contact_Title	Address	City
	Sales	4568 Str USA	Berlin
	Manager	4568 Str USA	Berlin

Code

```
public void runQueary(string QRY)
{
    // Pass Query and Connection object into the SQL Command
    SqlCommand obj = new SqlCommand(QRY, con);

    // Open & Close Database after execute the query
    con.Open();
    obj.ExecuteNonQuery();
    con.Close();

    getData();
}
public void getData()
{
    SqlDataAdapter da = new SqlDataAdapter("Select * from Contact", con);

    DataSet ds = new DataSet();
    da.Fill(ds);
    DataDisplay.DataSource = ds.Tables[0];
    Clear();
}
public void Clear()
{
    txtID.Text = "";
    txtCName.Text = "";
    txtName.Text = "";
    txtCtitle.Text = "";
    txtAddress.Text = "";
    txtCity.Text = "";
    txtPostal.Text = "";
    txtPhone.Text = "";
    txtRegion.Text = "";
    txtCountry.Text = "";
    txtFax.Text = "";
}
private void btnCancel_Click(object sender, EventArgs e)
{
    Clear();
}
private void btnDelete_Click(object sender, EventArgs e)
{
    if (ID != "")
    {
        runQueary("DELETE FROM Contact WHERE Id = '" + txtID.Text + "';");
        ID = "";
    }
}
private void DataDisplay_CellContentClick(object sender,
DataGridViewCellEventArgs e)
{
    int index = e.RowIndex;
```

```

        ID = DataDisplay.Rows[index].Cells[0].Value.ToString();
txtID.Text = DataDisplay.Rows[index].Cells[0].Value.ToString();
txtCName.Text = DataDisplay.Rows[index].Cells[1].Value.ToString();
txtName.Text = DataDisplay.Rows[index].Cells[2].Value.ToString();
txtCtitle.Text = DataDisplay.Rows[index].Cells[3].Value.ToString();
txtAddress.Text = DataDisplay.Rows[index].Cells[4].Value.ToString();
txtCity.Text = DataDisplay.Rows[index].Cells[5].Value.ToString();
txtPostal.Text = DataDisplay.Rows[index].Cells[6].Value.ToString();
txtPhone.Text = DataDisplay.Rows[index].Cells[7].Value.ToString();
txtRegion.Text = DataDisplay.Rows[index].Cells[8].Value.ToString();
txtCountry.Text = DataDisplay.Rows[index].Cells[9].Value.ToString();
txtFax.Text = DataDisplay.Rows[index].Cells[10].Value.ToString();
}
private void btnUpdate_Click(object sender, EventArgs e)
{
    if (ID != "")
    {
        string UpdateQureay = "UPDATE Contact SET " +
            "Company_Name = '" + txtCName.Text + "'," +
            "Contact_Name = '" + txtName.Text + "'," +
            "Contact_Title = '" + txtCtitle.Text + "'," +
            "Address = '" + txtAddress.Text + "'," +
            "City = '" + txtCity.Text + "'," +
            "Postal_Code = '" + txtPostal.Text + "'," +
            "Phone = '" + txtPhone.Text + "'," +
            "Region = '" + txtRegion.Text + "'," +
            "Country = '" + txtCountry.Text + "'," +
            "Fax = '" + txtFax.Text +
            "' WHERE Id = '" + txtID.Text + "' ";

        runQueary(UpdateQureay);
    }
}
private void btnAdd_Click(object sender, EventArgs e)
{
    string InsertQureay = "insert into Contact values('"
        + txtID.Text + "','" +
        txtCName.Text + "','" +
        txtName.Text + "','" +
        txtCtitle.Text + "','" +
        txtAddress.Text + "','" +
        txtCity.Text + "','" +
        txtPostal.Text + "','" +

```

```
txtPhone.Text + "','" +  
txtRegion.Text + "','" +  
txtCountry.Text + "','" +  
txtFax.Text+''');";  
  
runQueary(InsertQureay);  
  
}
```