Form1.cs

```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace partbprg2
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            new Form2().Show();
            this.Hide();
        }

        private void button2_Click(object sender, EventArgs e)
        {
            new Form3().Show();
            this.Hide();
        }

        private void button3_Click(object sender, EventArgs e)
        {
            new Form4().Show();
            this.Hide();
        }

        private void button4_Click(object sender, EventArgs e)
        {
            new Form5().Show();
            this.Hide();
        }
    }
}
```
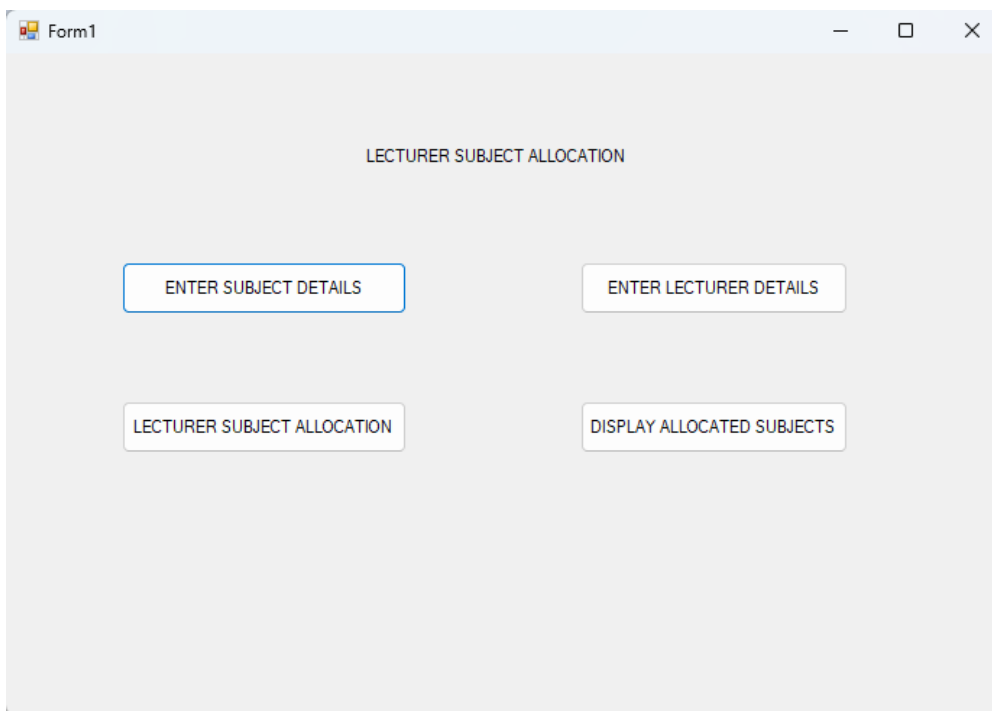
Form2.cs

```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
using System.Data.SqlClient;

namespace partbprg2
{
    public partial class Form2 : Form
    {
        public Form2()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            SqlConnection conn = new SqlConnection("Data Source=mca01-17\\sqlexpress;Initial
Catalog=db_LSA2;Integrated Security=True");

            conn.Open();

            SqlCommand cmd = new SqlCommand("insert into tbl_Subjects values(" + textBox1.Text +
",'" + textBox2.Text + "','" + textBox3.Text +"')", conn);
            cmd.ExecuteNonQuery();

            MessageBox.Show("Subject Details Entered Successfully");

            textBox1.Text = "";
            textBox2.Text = "";
            textBox3.Text = "";
            textBox1.Focus();

            conn.Close();

        }

        private void button2_Click(object sender, EventArgs e)
        {
            new Form1().Show();
            this.Hide();
        }
    }
}
```

Form3.cs

```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
using System.Data.SqlClient;

namespace partbprg2
{
    public partial class Form3 : Form
    {
        public Form3()
        {
            InitializeComponent();
        }

        private void button2_Click(object sender, EventArgs e)
        {
            new Form1().Show();
            this.Hide();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            SqlConnection conn = new SqlConnection("Data Source=mca01-17\\sqlexpress;Initial
Catalog=db_LSA2;Integrated Security=True");

            conn.Open();

            SqlCommand cmd = new SqlCommand("insert into tbl_Lecturers values(" + textBox1.Text +
",'" + textBox2.Text + "','" + textBox3.Text + "')", conn);
            cmd.ExecuteNonQuery();

            MessageBox.Show("Lecturer Details Entered Successfully");

            textBox1.Text = "";
            textBox2.Text = "";
            textBox3.Text = "";
            textBox1.Focus();

            conn.Close();
        }

    }
}
```

ENTER LECTURER DETAILS

Lecturer ID   1006

Lecturer Name   Gururaj

Contact Number   8877665544

Lecturer Details Entered Successfully

OK

Back   Save

Form4.cs

```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
using System.Data.SqlClient;

namespace partbprg2
{
    public partial class Form4 : Form
    {
        public Form4()
        {
            InitializeComponent();
        }

        private void Form4_Load(object sender, EventArgs e)
        {
            SqlConnection con = new SqlConnection("Data Source=mca01-17\\sqlexpress;Initial
Catalog=db_LSA2;Integrated Security=True;Pooling=False");
            con.Open();
            SqlDataAdapter da = new SqlDataAdapter("select LecturerName from tbl_Lecturers", con);
            DataTable dt = new DataTable();
            da.Fill(dt);
            comboBox1.DataSource = dt;
            comboBox1.DisplayMember = "LecturerName";
            comboBox1.ValueMember = "LecturerName";
            da = new SqlDataAdapter("select * from tbl_Subjects", con);
            dt = new DataTable();
            da.Fill(dt);
            dataGridView1.DataSource = dt;
            DataGridViewCheckBoxColumn c = new DataGridViewCheckBoxColumn();
            c.Name = "Check";
            c.Width = 50;
            dataGridView1.Columns.Insert(0, c);
            con.Close();

        }

        private void button1_Click(object sender, EventArgs e)
        {
            SqlConnection con = new SqlConnection("Data Source=mca01-17\\sqlexpress;Initial
Catalog=db_LSA2;Integrated Security=True;Pooling=False");
            con.Open();
            SqlDataAdapter da = new SqlDataAdapter("select IdLecturer from tbl_Lecturers where
LecturerName='" + comboBox1.SelectedValue.ToString() + "'", con);
            DataTable dt = new DataTable();
            da.Fill(dt);
            foreach (DataGridViewRow r in dataGridView1.Rows)
            {
                if (Convert.ToBoolean(r.Cells["Check"].Value))
                {
                    SqlCommand cmd = new SqlCommand("insert into tbl_LecturerSubjects
values(@sid,@scode,@lid)", con);
                    cmd.Parameters.AddWithValue("@sid", r.Cells["IdSubject"].Value);
                    cmd.Parameters.AddWithValue("@scode", r.Cells["SubjectCode"].Value);
```
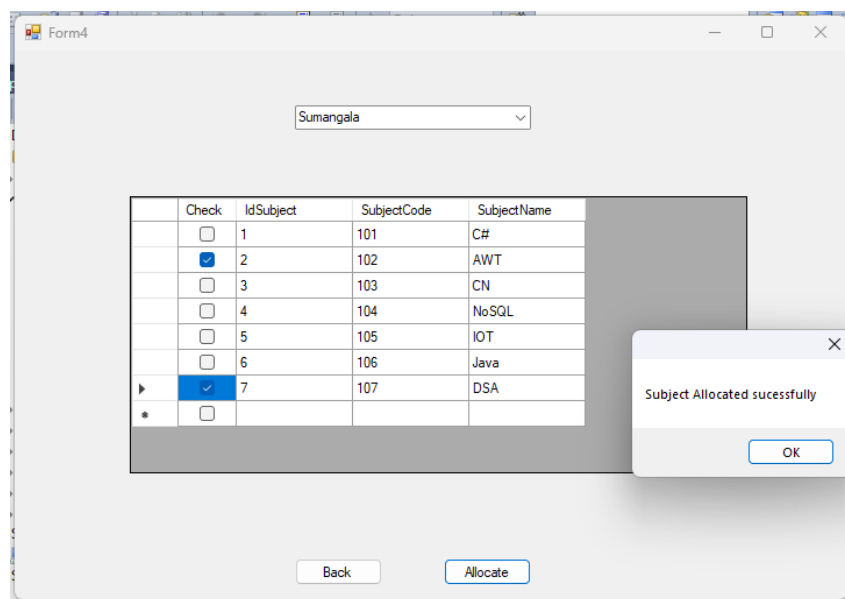
```
                    cmd.Parameters.AddWithValue("@lid", int.Parse(dt.Rows[0][0].ToString()));
                    cmd.ExecuteNonQuery();
                }
            }
            MessageBox.Show("Subject Allocated sucessfully");
            con.Close();
        }

        private void button2_Click(object sender, EventArgs e)
        {
            new Form1().Show();
            this.Hide();
        }


    }
}
```


Form5.cs

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
using System.Data.SqlClient;

namespace partbprg2
{
    public partial class Form5 : Form
    {
        public Form5()
        {
            InitializeComponent();
        }

        private void button2_Click(object sender, EventArgs e)
        {
```

```csharp
        }

        private void Form5_Load(object sender, EventArgs e)
        {
            SqlConnection con = new SqlConnection("Data Source=mca01-17\\sqlexpress;Initial
Catalog=db_LSA2;Integrated Security=True;Pooling=False");
            con.Open();
            SqlDataAdapter da = new SqlDataAdapter("select LecturerName from tbl_Lecturers", con);
            DataTable dt = new DataTable();
            da.Fill(dt);
            comboBox1.DataSource = dt;
            comboBox1.DisplayMember = "LecturerName";
            comboBox1.ValueMember = "LecturerName";
            con.Close();

        }

        private void comboBox1_SelectedIndexChanged(object sender, EventArgs e)
        {
            SqlConnection con = new SqlConnection("Data Source=mca01-17\\sqlexpress;Initial
Catalog=db_LSA2;Integrated Security=True;Pooling=False");
            con.Open();
            SqlDataAdapter da = new SqlDataAdapter("select a.IdSubject, a.SubjectCode, a.SubjectName
from tbl_Subjects a, tbl_Lecturers b, tbl_LecturerSubjects c where a.IdSubject = c.IdSubject AND
b.IdLecturer = c.IdLecturer AND b.LecturerName = '"+comboBox1.SelectedValue.ToString()+"'", con);
            DataTable dt = new DataTable();
            da.Fill(dt);
            dataGridView1.DataSource = dt;
            con.Close();

        }

        private void button1_Click(object sender, EventArgs e)
        {
            new Form1().Show();
            this.Hide();
        }
    }
}
```

Database:

tbl_Lecturers: Quer...sqlexpress.db_LSA2) | tbl_Subjects: Quer...sqlexpress.db_LSA2) | tbl_LecturerSubjec...sqlexpress.db_LSA2)

IdLecturer	LecturerName	ContactNumber
1001	Sumangala	9988776655
1002	Hareesh	8877665544
1003	Rakshitha	7766554433
1004	Priya	6655443322
1005	Murari	5544332211
NULL	NULL	NULL

of 5

tbl_LecturerSubjec...sqlexpress.db_LSA2) | Form4.cs [Design] | Form2.Designer.cs | Form4.cs | Form2.cs | Form5.cs

IdSubject	SubjectCode	IdLecturer
1	101	1001
2	102	1002
3	103	1003
4	104	1004
5	105	1005
3	103	1005
5	105	1005
2	102	1001
7	107	1001
NULL	NULL	NULL

tbl_Subjects: Quer...sqlexpress.db_LSA2) | tbl_LecturerSubjec...sqlexpress.db_LSA2)

IdSubject	SubjectCode	SubjectName
1	101	C#
2	102	AWT
3	103	CN
4	104	NoSQL
5	105	IOT
6	106	Java
7	107	DSA
NULL	NULL	NULL