D3

    Create your own Windows Form Application using the various controls .Create a database and connect to your application. Insert, Update and delete the data during your execution/demonstration to your peer learners. Also in the form of a written report, you must provide step by step screenshots and the results with relevant annotations.

This is the output of the code for the application and it is done in the visual studio environment and organization is company.

Code for welcome page-:

```
using System;                            //using the system namespace
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;

namespace Pushpak
{
  public partial class Login : Form
  {
    public Login()
    {
      InitializeComponent();
    }

    private void button1_Click(object sender, EventArgs e)
    {
      Form2 f2 = new Form2();                    //redirecting code to next page
      f2.Show();
    }
  }
}
```
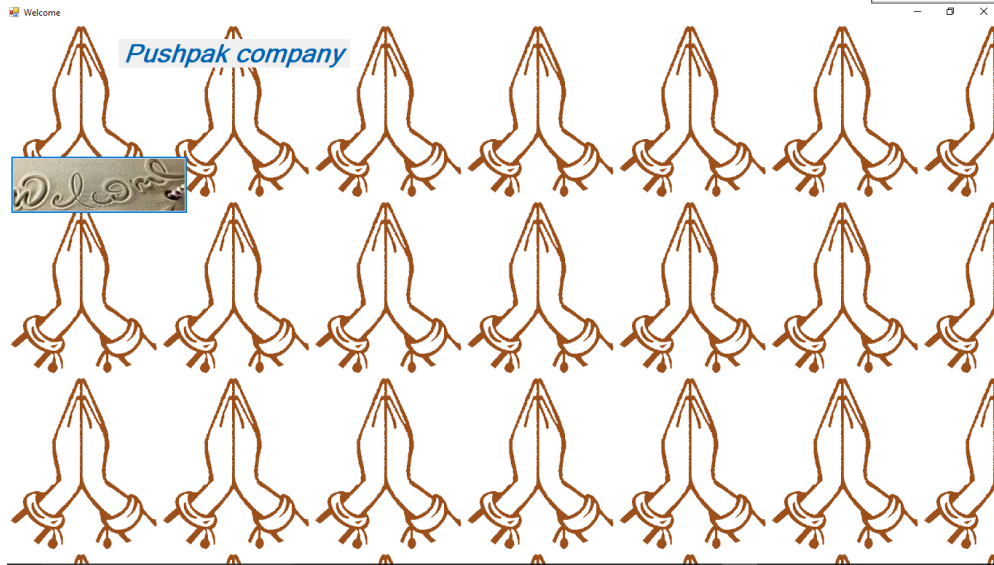
Pushpak company

Figure 1output screen of welcome page

Code for Login page-:

```csharp
using System;                                //using the system namespace
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 System.Data.Sql;
using System.Data.OleDb;
using System.Data.SqlClient;          //using system SQL namespace

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

        private void button1_Click(object sender, EventArgs e)
        {
            SqlConnection sql = new SqlConnection(@"Data Source=PUSHPAK\PUSH;Initial
Catalog=pushpak;Integrated Security=True");           //this is source code for connection
            string query = "Select * from emp where registration_id = '" + textBox1.Text.Trim() +
"'and password = '" + textBox2.Text.Trim() + "'";       //this code is used for checking the
details entered in the database correct or not
            SqlDataAdapter sqld = new SqlDataAdapter(query, sql);   //connection between
database
```

```
        DataTable dt = new DataTable();
        sqld.Fill(dt);
        if (dt.Rows.Count == 1)     //if statement
        {
            DialogResult dr = MessageBox.Show("Login sucess Welcome to Employee list
page", "Sure", MessageBoxButtons.YesNo); //message box with result code
            if (dr == DialogResult.Yes)
            {
                Form3 f3 = new Form3();      //redirecting code to next page
                f3.Show();
            }
            else if (dr == DialogResult.No)   //else if statement
                {
                Form4 f4 = new Form4();
                f4.Show();
            }
        }
        else            //else statement
        {
            MessageBox.Show("Invalid Login please check registration and password");
//message box code
        }

    }

    private void button2_Click(object sender, EventArgs e)
    {
        Application.Exit();      //exit code
    }
  }
}
```
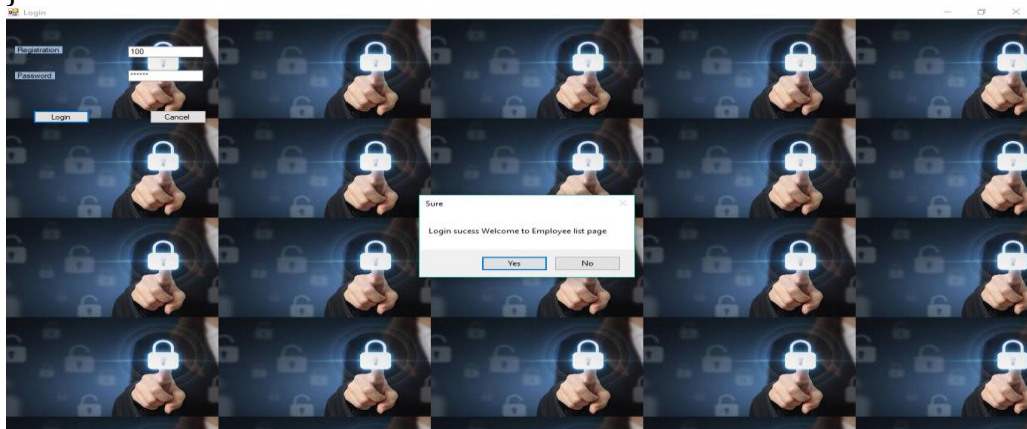

Figure 2 output of login page

Code for employee list page-:
```
using System;                          //using the system namespace
using System.Collections.Generic;
using System.ComponentModel;
```

```csharp
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

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

        private void Form3_Load(object sender, EventArgs e)
        {
            // TODO: This line of code loads data into the 'pushpakDataSet2.emp' table. You can
move, or remove it, as needed.
            this.empTableAdapter2.Fill(this.pushpakDataSet2.emp);
            // TODO: This line of code loads data into the 'pushpakDataSet1.emp' table. You can
move, or remove it, as needed.
            this.empTableAdapter1.Fill(this.pushpakDataSet1.emp);
            // TODO: This line of code loads data into the 'pushpakDataSet.emp' table. You can
move, or remove it, as needed.
            this.empTableAdapter.Fill(this.pushpakDataSet.emp);

        }

        private void button1_Click(object sender, EventArgs e)
        {
            DialogResult dialogResult = MessageBox.Show("Sure", "Want to go back",
MessageBoxButtons.YesNo);    //message box for result option code
            if (dialogResult == DialogResult.Yes)        //if statement
            {
                Form4 f4 = new Form4();       //redirecting code to next page

                f4.Show();
            }
            else if (dialogResult == DialogResult.No)        //else if statement
            {
                Form2 f2 = new Form2();
                f2.Show();
            }
        }

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

```
      {
         Application.Exit();            //exit code
      }

      private void button3_Click(object sender, EventArgs e)
      {
         Form5 f5 = new Form5();
         f5.Show();
      }
    }
}
```

Code for registration page-:

```
using System;                        //using the system namespace
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 System.Data.SqlClient;         //using system SQL namespace

namespace Pushpak
{
   public partial class Form4 : Form
   {
     SqlConnection sql = new SqlConnection(@"Data Source=PUSHPAK\PUSH;Initial
Catalog=pushpak;Integrated Security=True"); //this is source code for connection
     SqlCommand cmd;                  //execution of command
     SqlDataAdapter adapt;            //connecting to database
     public Form4()
```

```csharp
        {
            InitializeComponent();
        }

        private void button4_Click(object sender, EventArgs e)
        {
            Form3 f3 = new Form3();   //redirecting code to next page
            f3.Show();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            sql.Open();
            SqlCommand scm = sql.CreateCommand();
            scm.CommandType = CommandType.Text;
            scm.CommandText = "insert into emp values('" + textBox1.Text + "','" +
textBox2.Text + "','" + textBox3.Text + "','" + textBox4.Text + "','" + textBox5.Text + "','" +
textBox6.Text + "','" + textBox7.Text + "')";   //insert code
            scm.ExecuteNonQuery();
            sql.Close();
            MessageBox.Show("record is inserted");
        }
        private void button2_Click(object sender, EventArgs e)
        {
            sql.Open();
            SqlCommand scm = sql.CreateCommand();
            scm.CommandType = CommandType.Text;
            scm.CommandText = "delete emp where registration_id='" + textBox1.Text + "'";
//delete code
            scm.ExecuteNonQuery();
            sql.Close();
            MessageBox.Show("Record Deleted Successfully!");
        }

        private void button3_Click(object sender, EventArgs e)
        {
            sql.Open();               //SQL connection open
            SqlCommand scm = sql.CreateCommand();   //setting SQL command
            scm.CommandType = CommandType.Text;      //setting command type
            scm.CommandText = "update emp set
name='"+textBox2.Text+"',address='"+textBox3.Text+"',phone_number='"+textBox4.Text+"
',email='"+textBox5.Text+"',department='"+textBox7.Text+"' where registration_id='" +
textBox1.Text + "'";                  //update code
            scm.ExecuteNonQuery();                //if any error got in the output will show
            sql.Close();                 //SQL connection close
            MessageBox.Show("Record Updated Successfully");          //message box
        }
    }
```
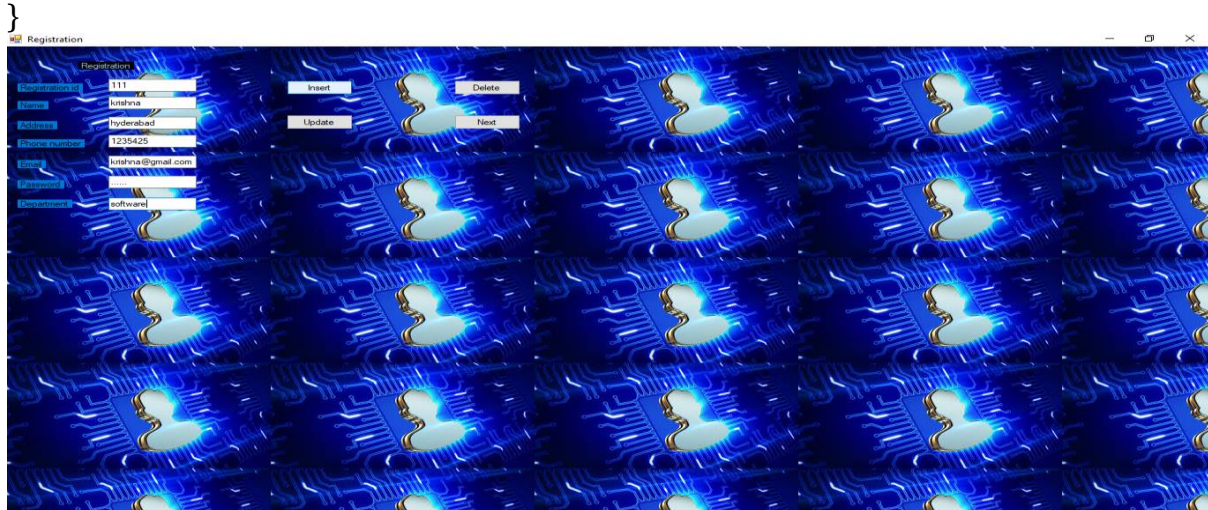
}

Figure 4output of registration page