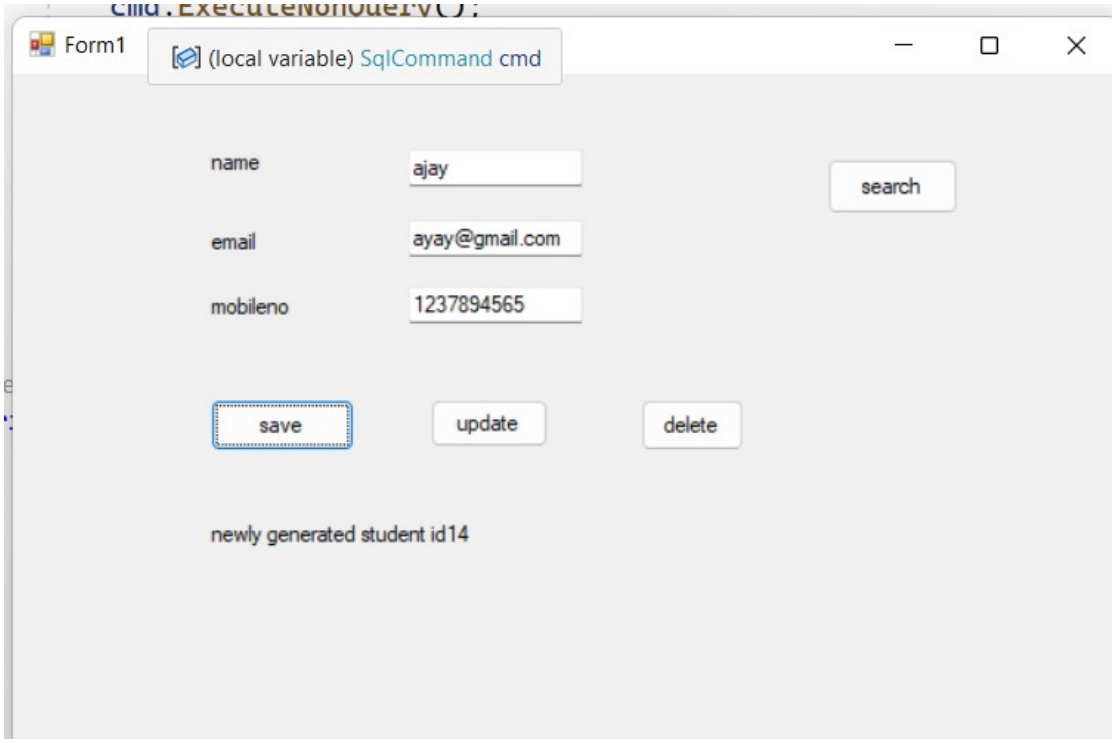


```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;



namespace sp_with_input_output_parameter1
{
    public partial class Form1 : Form
    {
        public Form1()
```

```
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            try
            {


                string str = "server=.
\\SQLEXPRESS;database=StudentDB;integrated security=true";
                SqlConnection conn = new SqlConnection(str);
                SqlCommand cmd = new SqlCommand();
                cmd.Connection = conn;
                cmd.CommandText = "spcreatestudentt";
                cmd.CommandType = System.Data.CommandType.StoredProcedure;

                //set parameter

                SqlParameter param1 = new SqlParameter();
                param1.ParameterName = "@name";
                param1.SqlDbType = SqlDbType.VarChar;
                Console.WriteLine("enter name to be searched");
                string nm = Console.ReadLine();
                param1.Value = textBox1.Text;
                param1.Direction = ParameterDirection.Input;

                //add the parameter to the SqlCommand object
                cmd.Parameters.Add(param1);
                cmd.Parameters.AddWithValue("@email", textBox2.Text);
                cmd.Parameters.AddWithValue("@mobile", textBox3.Text);
```

```
                //set sqlparameter
                SqlParameter outParameter = new SqlParameter();
                {
                    outParameter.ParameterName = "@id";
                    outParameter.SqlDbType = SqlDbType.Int;
                    outParameter.Direction = ParameterDirection.Output;
                }
                cmd.Parameters.Add(outParameter);
                conn.Open();
                cmd.ExecuteNonQuery();
                label4.Text = "newly generated student id" +
outParameter.Value.ToString();

            }
            catch (Exception e1)
            {
                label4.Text = "Oops,something went wrong" + e1;
            }

        }
        private void button2_Click(object sender, EventArgs e)
        {
            try
            {

                string str = "server=.
\\SQLEXPRESS;database=StudentDB;integrated security=true";
                SqlConnection conn = new SqlConnection(str);
                SqlCommand cmd = new SqlCommand();
                cmd.Connection = conn;
                cmd.CommandText = "spupdatestudent";
```

```
            cmd.CommandType = System.Data.CommandType.StoredProcedure;

            //set parameter

            SqlParameter param1 = new SqlParameter();
            param1.ParameterName = "@name";
            param1.SqlDbType = SqlDbType.VarChar;

            param1.Value = textBox1.Text;
            param1.Direction = ParameterDirection.Input;

            //add the parameter to the SqlCommand object
            cmd.Parameters.Add(param1);
            cmd.Parameters.AddWithValue("@email", textBox2.Text);
            cmd.Parameters.AddWithValue("@mobile", textBox3.Text);



            conn.Open();
            cmd.ExecuteNonQuery();
            label4.Text = "updated successfully" ;

        }
        catch (Exception e1)
        {
            label4.Text = "Oops,something went wrong" + e1;
        }
    }

    private void button3_Click(object sender, EventArgs e)
    {
        try
```

```
            {


                string str = "server=.
\\SQLEXPRESS;database=StudentDB;integrated security=true";
                SqlConnection conn = new SqlConnection(str);
                SqlCommand cmd = new SqlCommand();
                cmd.Connection = conn;
                cmd.CommandText = "spdeletestudent";
                cmd.CommandType = System.Data.CommandType.StoredProcedure;

                //set parameter

                SqlParameter param1 = new SqlParameter();
                param1.ParameterName = "@name";
                param1.SqlDbType = SqlDbType.VarChar;

                param1.Value = textBox1.Text;
                param1.Direction = ParameterDirection.Input;

                //add the parameter to the SqlCommand object
                cmd.Parameters.Add(param1);




                conn.Open();
                cmd.ExecuteNonQuery();
                label4.Text = "deleted successfully";

            }
            catch (Exception e1)
```

```
            {
                label4.Text = "Oops,something went wrong" + e1;
            }
        }

        private void button4_Click(object sender, EventArgs e)
        {
            try
            {
                SqlConnection con = new SqlConnection();
                SqlCommand cmd = new SqlCommand();
                //con = new SqlConnection(str);
                string qr = "select * from  products where proid=@proid";
                cmd = new SqlCommand(qr, con);
                cmd.Parameters.Add("@proid", SqlDbType.Int).Value =
Convert.ToInt32(textBox1.Text);
                //command.Parameters.Add("@proname", SqlDbType.VarChar,
20).Value = textBox2.Text;
                //command.Parameters.Add("@price", SqlDbType.VarChar,
20).Value = textBox3.Text;
                //command.Parameters.Add("@quantity", SqlDbType.VarChar,
20).Value = textBox4.Text;

                con.Open();
                SqlDataReader dr = cmd.ExecuteReader();
                int flag = 0;
                textBox2.Clear();
                while (dr.Read())
                {
                    flag = 1;
                    textBox2.Text = dr["proname"].ToString();
                    textBox3.Text = dr["price"].ToString();
                   // textBox4.Text = dr["quantity"].ToString();
```

```
                }
                dr.Close();

                if (flag == 0)
                {
                    MessageBox.Show("record not found");
                }
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.ToString());
            }
            finally
            {

            }
        }
    }
}
```