

Program5-Program of ado with sqlparameters.

```
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 ado_with_sqlparameters
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }
        string str = "server=HP-LAPTOP\\SQLEXPRESS;integrated
security=true;database=mkpsample";
        SqlConnection con = null;
        SqlCommand command = null;
        private void button1_Click(object sender, EventArgs e)
        {
            try
            {
                con = new SqlConnection(str);
                string qr = "insert into all_user(username,password)
values(@username,@password)";
                command = new SqlCommand(qr, con);
                command.Parameters.Add("@username", SqlDbType.VarChar, 20).Value =
textBox1.Text;
                command.Parameters.Add("@password", SqlDbType.VarChar, 20).Value =
textBox2.Text;

                con.Open();
                command.ExecuteNonQuery();
                textBox1.Clear();
                textBox2.Clear();
                textBox1.Focus();
                MessageBox.Show("Record saved successfully");
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.ToString());
            }
            finally
            {
                con.Close();
            }
        }

        private void button2_Click(object sender, EventArgs e)
        {

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        try
        {
            con = new SqlConnection(str);
            string qr = "update all_user set password=@password where
username=@username ";
            command = new SqlCommand(qr, con);
            command.Parameters.Add("@password", SqlDbType.VarChar, 20).Value =
textBox2.Text;
            command.Parameters.Add("@username", SqlDbType.VarChar, 20).Value =
textBox1.Text;

            con.Open();
            command.ExecuteNonQuery();
            textBox1.Clear();
            textBox2.Clear();
            textBox1.Focus();
            MessageBox.Show("Record updated successfully");
        }
        catch (Exception ee)
        {
            MessageBox.Show(ee.ToString());
        }
        finally
        {
            con.Close();
        }
    }

    private void button3_Click(object sender, EventArgs e)
    {
        try
        {
            con = new SqlConnection(str);
            string qr = "delete from all_user where username=@username ";
            command = new SqlCommand(qr, con);
            command.Parameters.Add("@username", SqlDbType.VarChar, 20).Value =
textBox1.Text;
            con.Open();
            command.ExecuteNonQuery();
            textBox1.Clear();
            textBox2.Clear();
            textBox1.Focus();
            MessageBox.Show("Record deleted successfully");
        }
        catch (Exception ee)
        {
            MessageBox.Show(ee.ToString());
        }
        finally
        {
            con.Close();
        }
    }

    private void button4_Click(object sender, EventArgs e)
    {

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        try
        {
            con = new SqlConnection(str);
            string qr = "select * from all_user where username=@username";
            command = new SqlCommand(qr, con);
            command.Parameters.Add("@username", SqlDbType.VarChar, 20).Value =
textBox1.Text;
            con.Open();
            SqlDataReader dr = command.ExecuteReader();
            int flag = 0;
            textBox2.Clear();
            while (dr.Read())
            {
                flag = 1;
                textBox2.Text = dr["password"].ToString();
            }
            dr.Close();
            if (flag == 0)
            {
                MessageBox.Show("Record not found");
            }
        }
        catch (Exception ee)
        {
            MessageBox.Show(ee.ToString());
        }
        finally
        {
            con.Close();
        }
    }
}

```

Output-

