

Exp12 Code:-

```
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 DBconExp12
{
    public partial class Form1 : Form
    {
        SqlConnection con = new SqlConnection(@"Data Source=.\\SQLEXPRESS;AttachDbFilename=C:\\users\\db lab
9\\documents\\visual studio 2010\\Projects\\DBconExp12\\DBconExp12\\Database.mdf;Integrated Security=True;User
Instance=True");

        public Form1()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            con.Open();
            SqlCommand cmd = con.CreateCommand();
            cmd.CommandType = CommandType.Text;
            cmd.CommandText = "insert into Books(Title,Author,Publisher) values('" + textBox1.Text + "','" + textBox2.Text
+ "','" + textBox3.Text + "')";
            cmd.ExecuteNonQuery();
            con.Close();
            textBox1.Text = "";
            textBox2.Text = "";
            textBox3.Text = "";
            disp_data();
            MessageBox.Show("Record Inserted");
        }

        public void disp_data()
        {
            con.Open();
            SqlCommand cmd = con.CreateCommand();
            cmd.CommandType = CommandType.Text;
            cmd.CommandText = "select *from Books";
            cmd.ExecuteNonQuery();
            DataTable dt = new DataTable();
            SqlDataAdapter da = new SqlDataAdapter(cmd);
            da.Fill(dt);
            dataGridView1.DataSource = dt;
            con.Close();
        }

        private void button2_Click(object sender, EventArgs e)
        {
            con.Open();
```

```

SqlCommand cmd = con.CreateCommand();
cmd.CommandType = CommandType.Text;
cmd.CommandText = "update Books set Title='" + textBox2.Text + "' where Title='" + textBox1.Text + "'";
cmd.ExecuteNonQuery();
con.Close();
disp_data();
MessageBox.Show("Record Updated");
}

private void button3_Click(object sender, EventArgs e)
{
    con.Open();
    SqlCommand cmd = con.CreateCommand();
    cmd.CommandType = CommandType.Text;
    cmd.CommandText = "delete from Books where Title='" + textBox1.Text + "'";
    cmd.ExecuteNonQuery();
    con.Close();
    disp_data();
    MessageBox.Show("Record Deleted");
    textBox1.Text = "";
    textBox2.Text = "";
    textBox3.Text = "";
}

private void button4_Click(object sender, EventArgs e)
{
    con.Open();
    SqlCommand cmd = con.CreateCommand();
    cmd.CommandType = CommandType.Text;
    cmd.CommandText = "select *from Books where Title='" + textBox1.Text + "'";
    cmd.ExecuteNonQuery();
    DataTable dt = new DataTable();
    SqlDataAdapter da = new SqlDataAdapter(cmd);
    da.Fill(dt);
    dataGridView1.DataSource = dt;
    con.Close();
}

private void Form1_Load(object sender, EventArgs e)
{
    disp_data();
}
}

```

Output:-

Insert Record:-

	Title	Author	Publisher
▶	C. Programming	Dennis Ritchie	Prentice Hall
*			

Update Record:-

Form1

Books Library Records

Book Title

Author

Publisher

	Title	Author	Publisher
▶	C Programming	Dennis Ritchie	Prentice Hall
	Java	Piyush Choudhary	S.K. Kataria & Sons
	Python	Dr. Jisu Elsa Jacob	S.K. Kataria & Sons
	C++	Bjame Stroustrup	Addison-Wesley
*			

Record Updated

Delete Record:-

Form1

Books Library Records

Book Title

Author

Publisher

	Title	Author	Publisher
▶	C Programming	Dennis Ritchie	Prentice Hall
	Java	Piyush Choudhary	S.K. Kataria & Sons
	Python	Dr. Jisu Elsa Jacob	S.K. Kataria & Sons
*			

Record Deleted

Search Records:-

Form1

Books Library Records

Book Title

Author

Publisher

	Title	Author	Publisher
▶	Java	Piyush Choudhary	S.K. Kataria & Sons
*			