

## DB5-Linq-to-SQL

17 December 2020 00:22

EmpNo Name Basic DeptNo

Insert Update Delete Show

Insert:

```
//Insert
1 reference
private void Button_Click(object sender, RoutedEventArgs e)
{
    DataClasses1DataContext dbContext = new DataClasses1DataContext();
    Employee o = new Employee();

    try
    {
        o.EmpNo = Convert.ToInt32(txtEmpNo.Text);
        o.Name = txtName.Text;
        o.Basic = Convert.ToDecimal(txtBasic.Text);
        o.DeptNo = Convert.ToInt32(txtDeptNo.Text);
        dbContext.Employees.InsertOnSubmit(o);
        dbContext.SubmitChanges();
    }
    catch (Exception ex)
    {
        MessageBox.Show(ex.Message);
    }
    dgView1.ItemsSource = dbContext.Employees;
}
```

Show:

```

//Show
1 reference
private void Button_Click_1(object sender, RoutedEventArgs e)
{
    DataClasses1DataContext dbContext = new DataClasses1DataContext();

    DataTable dt = dbContext.Employees.ToDataTable();
    dt.Columns.Remove("Department");
    dgView1.ItemsSource = dbContext.Employees;

    //ds = new MyDataSet();
    //EmployeesTableAdapter adEmps = new EmployeesTableAdapter();
    //adEmps.Fill(ds.Employees);
    //dgView1.ItemsSource = ds.Employees.DefaultView;
}
//Update

```

Update:

```

//Update
1 reference
private void Button_Click_2(object sender, RoutedEventArgs e)
{
    DataClasses1DataContext dbContext = new DataClasses1DataContext();
    Employee o = dbContext.Employees.SingleOrDefault(emp => emp.EmpNo == Convert.ToInt32(txtEmpNo.Text));
    if (o != null)
    {
        try
        {
            o.Name = txtName.Text;
            o.Basic = Convert.ToDecimal(txtBasic.Text);
            o.DeptNo = Convert.ToInt32(txtDeptNo.Text);

            dbContext.SubmitChanges();
        }
        catch (Exception ex)
        {
            MessageBox.Show(ex.Message);
        }
    }
    else MessageBox.Show("Employee with given employee number doesnt exists");
    dgView1.ItemsSource = dbContext.Employees;
}
//Delete

```

Delete:

```

//Delete
1 reference
private void Button_Click_3(object sender, RoutedEventArgs e)
{
    DataClasses1DataContext dbContext = new DataClasses1DataContext();
    Employee o = dbContext.Employees.SingleOrDefault(emp => emp.EmpNo == Convert.ToInt32(txtEmpNo.Text));
    if (o != null)
    {
        dbContext.Employees.DeleteOnSubmit(o);
        dbContext.SubmitChanges();
    }
    else MessageBox.Show("Employee with given employee number doesnt exists");
    dgView1.ItemsSource = dbContext.Employees;
}

```

