

Practical No 10

Programs to create and use DLL

Step 1 :

Create a New Project Class Library :

Rename .cs file as MathFunction.cs

Type following Code:

```
namespace ClassLibrary1
{
    public class MathFunction
    {
        public int Add(int x, int y)
        {
            return x + y;
        }
        public int fact(int x)
        {
            int f = 1;
            for (int i = 1; i <= x; i++)
            {
                f = f * i;
            }
            return f;
        }
    }
}
```

Setp 2:

Click on the Build tab and Click Build Solution.

Step3:

Create New Project Empty Web Application:

Right Click on the Project name and Click on Add Reference

Click on Browse and and go to the following location and select the ClassLibrary1.dll file.

Documents\visual studio 2012\Projects\ClassLibrary1\ClassLibrary1\bin\Debug

Step 4 :

Create new WebForm1

Add a Label.

2 Buttons Named Add & Fact.

Step 5:

Type a Button Code :

```
protected void Button1_Click(object sender, EventArgs e)
{
    MathFunction m1 = new MathFunction();
    Label1.Text = "Addition " + m1.Add(10, 26);
}

protected void Button2_Click(object sender, EventArgs e)
{
    MathFunction m2 = new MathFunction();
    Label1.Text = "Factorial " + m2.fact(10);
}
```

Step 6:

Add a Library

```
using ClassLibrary1;
```