

Steps to Build Self Executable(.exe) & Dependable Executable(.dll) using Command Line

Step 1 :

As we want to use csc (C# compiler) through command prompt we have to set path of csc.exe into PATH environment variable.

Search location of csc.exe on your machine.

Generally that file is available in Framework folder in Microsoft.NET folder.

Ex. C:\Windows\Microsoft.NET\Framework\v3.5

Control Panel -> System -> Advanced system settings -> Environment variable -> inside path append your path and press ok button.

Step 2 :

Create one file as Library.cs which contains the class whose functionality that we want to export

using System;

namespace Marvellous

```
{  
    // Class declaration  
    public class Hello  
    {  
        public void fun()  
        {  
            // Display string on console  
            Console.WriteLine("Marvellous Infosystems : Inside DLL");  
        }  
    }  
}
```

Step 3 :

Build that Library.cs to create .dll file

csc /target:library /out:Marvellous.dll Library.cs

After successful compilation Marvellous.dll gets created.

step 4 :

Create one file as Client.cs which contains the class from where we call the exported functionality from DL

using System;

using Marvellous;

// Class declaration

class Demo

{

// Entry point function

public static void Main(string[] args)

{

Console.WriteLine("Inside Client application");

// Create object of class from DLL

Hello hobj = new Hello();

// Call the exported method from DLL

hobj.fun();

}

}

Step 5 :

Build that Client.cs into .exe file

csc /reference:Marvellous.dll /out:MarvellousClient.exe Client.cs

After successful compilation MarvellousClient.exe gets created.

Step 6 :

Now we can run our application as

MarvellousClient.exe