



MODULE 10

THE APPLICATION

MODULE TOPICS

Main Method
Application Events

MAIN METHOD

- A Main method is automatically generated behind the scenes by default
- A custom Main method can be created in a separate class
 - In the Project properties the class is specified as the Startup object

MAIN METHOD

```
class Startup
{
    [STAThread()]
    static void Main(String[] args)
    {
        MessageBox.Show(
            String.Format("# of Command Line Arguments = {0}", args.Count())

        Application app = new Application();
        MainWindow mainWindow = new MainWindow();
        app.Run(mainWindow);
    }
}
```

APPLICATION EVENTS

```
<application x:class="NW.WPF.App" xmlns="http://schemas.microsoft.com/winfx/2006/05/xaml"
  <application.resources>

  </application.resources>
</application>
```

APPLICATION EVENTS

```
public partial class App : Application
{
    private void Application_Startup(object sender, StartupEventArgs e)
    {
        MessageBox.Show($"# of Command Line Arguments = {e.Args.Count()}");
    }
}
```

APPLICATION GLOBAL

```
MessageBox.Show($"# of Windows = {Application.Current.Windows.Count}");
```

WALKTHRU - APPLICATION

ANY QUESTIONS?