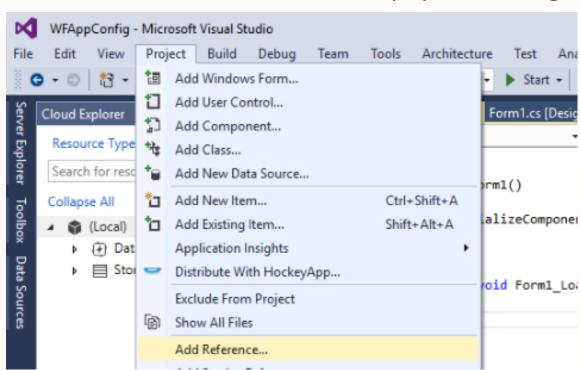






 If you want to access data from App.config file inside your application, you must first add a reference to the assembly System.Configuration.dll:









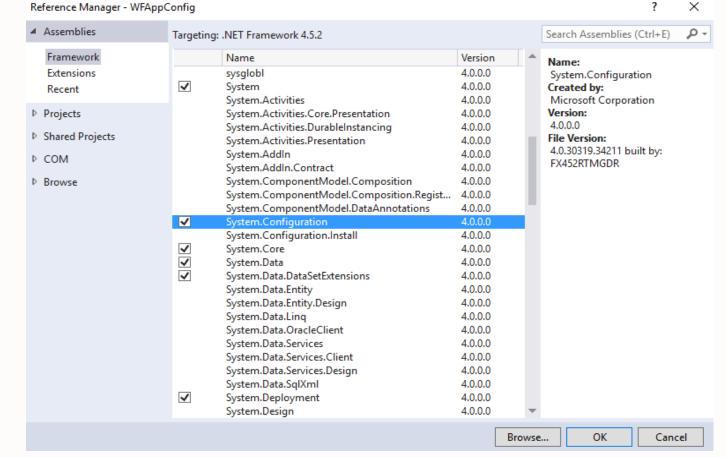














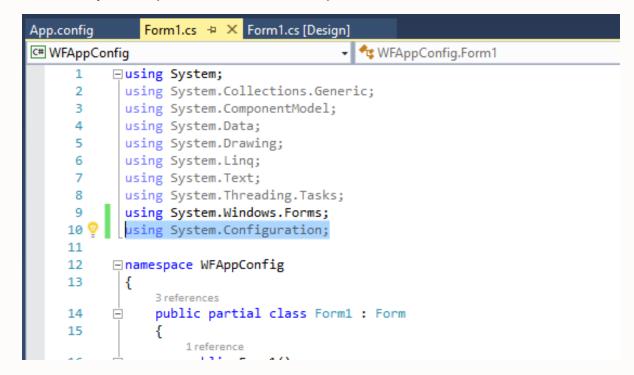






 After the reference is added, you must add the System.Configuration namespace (in Form1.cs file):









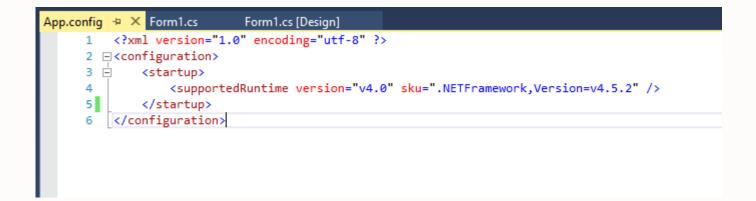




Now, let's see what we currently have in App.config:















Now, if we want to add some configuration settings to our application, we will include the set of tags corresponding to the AppSettings property of ConfigurationManager class (<appSettings> </appSettings>):

<supportedRuntime version="v4.0" sku=".NETFramework, Version=v4.5.2" />

Form1.cs [Design]

<?xml version="1.0" encoding="utf-8" ?>

<startup>

</startup>

</configuration>

<appSettings></appSettings>











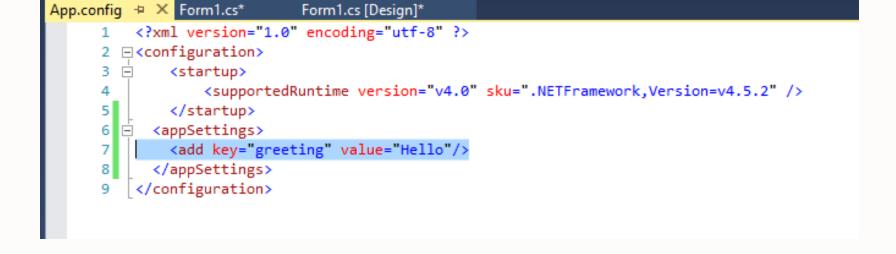




 Between the start tag and end tag of AppSettings we can define new elements that are needed in order to configure the application:

















If we want to use the configuration element defined in App.config inside our application, we can do so by using the property AppSettings of ConfigurationManager class (and we specify the key of the element):

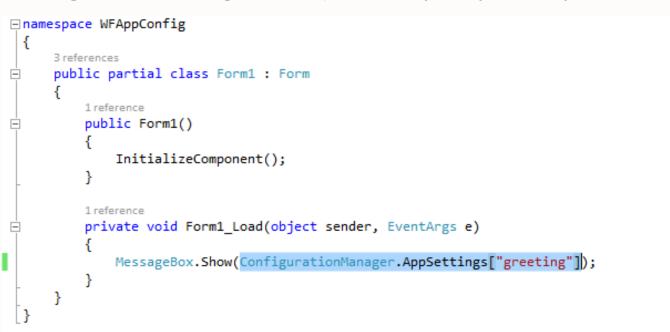












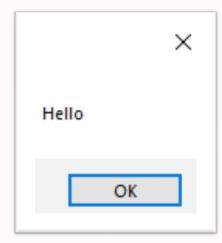




When we run the application, we get the following output:









 We can observe that the MessageBox contains the value corresponding to the key called "greeting"

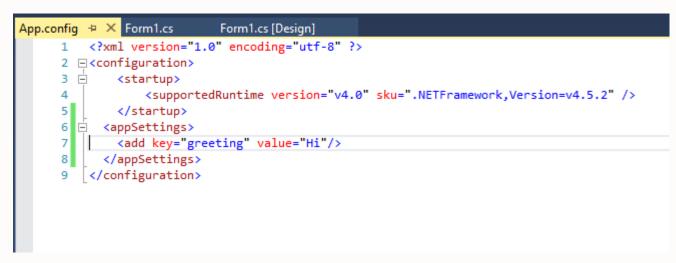








 Now, if we want to change the value of the key called "greeting", we must only modify its value inside App.config (we don't have to modify it inside Form1.cs file):





This is very useful when we use a setting element in more than one place in our application's code











 If we run our application again, we get the updated value of the key "greeting", without modifying anything inside Form1.cs file:





