```xml
 1  <Window x:Class="Data_Binding.MainWindow"
 2          xmlns="http://schemas.microsoft.com/winfx/2006/xaml/
              presentation"
 3          xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
 4          xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
 5          xmlns:mc="http://schemas.openxmlformats.org/markup-
              compatibility/2006"
 6          xmlns:local="clr-namespace:Data_Binding"
 7          mc:Ignorable="d"
 8          Title="MainWindow" Height="450" Width="800">
 9      <!--
10
11      NOTE !. IT'S VERY IMPORTANT TO LOOK AT AT AD UNDERSTAND ARROW
           DIRECTIONS....
12      4Modes of Data Binding
13      Binding Target:     <-  Oneway      Binding Source
14      Binding Target:     <-  Twoway      Binding Source
15      Binding Target:        OneWayToSource   ->       Binding Source
16      Binding Target:     <___ OneTime    Binding Source - done in
           constructor so only once during initialization.
17
18       -->
19      <!-- Give name to elements: sliders name is mySlider Etc -->
20      <!-- One Way: Text="{Binding ElementName="MySlider"} = here is one
         way binding from textbox to slider, asking for the value of the
         sldier.
21         One way, will not be able to change the slider by entering data
             in textbox.
22         Fix. set Mode=TwoWay
23         Setting it to OneWayToSource will make it so that you can type
             in the box and change the slider position, but not change the
             value with the sldier.
24
25      -->
26
27      <StackPanel>
28          <TextBox Name="MyTextbox" Width="100" Margin="50" Text="{Binding
               ElementName=MySlider, Path=Value, Mode=TwoWay,
             UpdateSourceTrigger=PropertyChanged}"></TextBox> <!--
               UpdateSourceTrigger=PropertyChanged  means that eny
29

                                change to value  at at runtime, it will change
    on the fly
30

                                Can compare this to Javascript "OnInput"
    -->
31          <Slider IsSnapToTickEnabled="True" Name="MySlider" Minimum="0"
               Maximum="100"></Slider>
32      </StackPanel>
33  </Window>
34
```