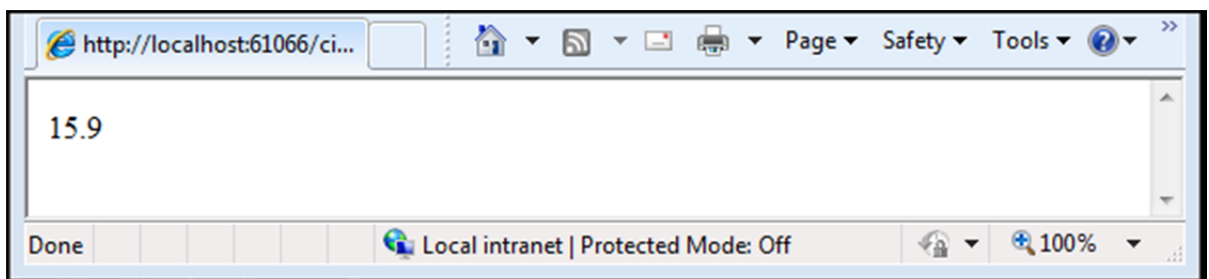

Session 6: Exercise

- 1 Open the *My Project* sample project and add a new class called: **Circle.cs**
- 2 Add a public *double* property to the *Circle* class called: **CircleCircumference**
- 3 Add a public method to the *Circle* class called: **CalculateDiameter**
- 4 Make the *CalculateDiameter* method return a *double* value.
(Don't worry about the indicated error, this will be overcome in question 6).
- 5 Make the *CalculateDiameter* method ask for a *double* argument called: **Radius**
- 6 Add code to the *CalculateDiameter* method to multiply the *Radius* argument by 2 and return the result.
- 7 Add a constructor to the *Circle* class.
- 8 Make the constructor require a *double* value as an argument called: **Circumference**
- 9 Make the constructor set the *CircleCircumference* property to the value of the *Circumference* argument.
- 10 Make the *CalculateDiameter* method static.
- 11 Add a new Web Form to the project called: **circlecalculator.aspx**
- 12 Open the code-behind file of *circlecalculator.aspx*.
- 13 Add code to the *Page_Load* event handler to create an instance of the *Circle* class named **MyCircle** using a *Circumference* argument of: **50**
- 14 Add code on the next line to create a new *double* variable called: **MyCircleDiameter**
- 15 Add code on the next line to call the static *CalculateDiameter* method of the *Circle* class with a *Radius* argument of **7.95**, storing the resulting value in the *MyCircleDiameter* variable.
(Remember that *CalculateDiameter* is a static method and is called in a different way to normal methods).
- 16 Add code to output the value of *MyCircleDiameter* using *Response.Write*.
- 17 View *circlecalculator.aspx* in your browser.



My Project - start

My Project - end

If you need help
slide the page to
the left

