

STUDENT ACTIVITY 3.1_1 KEY

MTA Course: Web Development Fundamentals
Lesson name: Web Development Fundamentals 3.1
Topic: Debug a Web application
File name: WebDevFund_SA_3.1_1_Key

Lesson Objective:

3.1: Debug a Web application.

Resources, software, and additional files needed for this lesson:

- A Windows®-based PC with installed Web development software.
Examples include Microsoft® Visual Studio 2008®, or
 - Microsoft Visual Basic 2008®, Express Edition
(<http://www.microsoft.com/express/downloads/#2008-Visual-Basic>)
 - Microsoft Visual C# 2008®, Express Edition
(<http://www.microsoft.com/express/downloads/#2008-Visual-CS>)
 - Microsoft Visual Web Developer 2008, Express Edition
(<http://www.microsoft.com/express/downloads/#2008-Visual-Web-Developer>)
- Use these sites for additional information:

Debugging:

<http://www.asp.net/learn/videos/video-6898.aspx>

<http://www.asp.net/learn/videos/video-10.aspx>

Directions to the student:

1. Create a new Visual Studio ASP.NET website project.
2. Use that project to complete the activity described at the following link:
<http://support.microsoft.com/kb/316726>
3. Use that same project to complete the activity for ASP.NET AJAX Debugging and Tracing at
<http://www.asp.net/ajax/documentation/live/overview/aspnetajaxdebuggingandtracingoverview.aspx>

Questions:

1. What attribute-value pair must be added to the page directive at the top of the Code window to turn on the tracing functionality?

Trace=True

2. What does page-level tracing do?
It sets up the Web application to allow the tracing output to be displayed.
3. What statement is placed throughout the code to track variable values and execution paths during the debugging of a traditional Active Server Pages (ASP) application?

Trace.Write

4. Identify two locations at which a Web application can be configured to allow tracing.

The Web application can be configured at either the page level or the application level.

Note: Be prepared to present your solution to the class.