

STUDENT ACTIVITY 3.1_2 KEY

MTA Course: Web Development Fundamentals
 Lesson name: Web Development Fundamentals 3.1
 Topic: Debug a Web application
 File name: WebDevFund_SA_3.1_2_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 and Tracing
<http://www.asp.net/learn/videos/video-10.aspx>
<http://msdn.microsoft.com/en-us/library/wwh16c6c.aspx>

Directions to the student:

In this activity, you will review how to use tracing in a website. Start by opening either Visual Studio or Microsoft Visual Web Developer. Explore the following websites and answer the questions about each.

Part 1—Enable Tracing for an ASP.NET Page

<http://msdn.microsoft.com/en-us/library/94c55d08.aspx>

1. What file was updated with the “@ Page” directive? Where is the new code located in the file?
The .aspx file, at the top of your .aspx file
2. What specific code is used to enable tracing for a page?
<%@ Page Trace="true" %>

Part 2—Enable Tracing for an ASP.NET Application

<http://msdn.microsoft.com/en-us/library/0x5wc973.aspx>

Questions:

1. What file was used in this example to enable application tracing?
The Web.config file
2. What is the specific code used to enable tracing in an application?
`<trace enabled="true" pageOutput="false" requestLimit="X" localOnly="false"/> (X= some integer value)`
3. What must be done to make the trace information appear at the end of the page that is associated with it?
Set the trace element's *pageOutput* attribute to True.

Part 3—How to: View ASP.NET Trace Information with the Trace Viewer

<http://msdn.microsoft.com/en-us/library/wwh16c6c.aspx>

Questions:

1. Describe how you would view trace details for a specific website request.
 - a. **Navigate to Trace.axd in the root of your application. For example, if the Uniform Resource Locator (URL) for your application is *http://localhost/SampleApplication*, navigate to *http://localhost/SampleApplication/trace.axd* to view the trace information for that application.**
 - b. **Select the View Details link for the request that you want to investigate.**
2. How would you clear requests from the trace viewer?
 - a. **Navigate to Trace.axd in the root of your application.**
 - b. **Select the Clear Current Trace link to remove all the requests stored in the trace viewer.**