Sample Solution Explanation

Problem Analysis: This exercise requires embedding a style sheet to the HTML5 document. The style sheet should display h1 element and all the links in blue and when the user moves mouse pointer over a link the background color of the link should change to yellow.

Solution: Open the file entitled ‘Solution 4-8’ and examine the code. Lines # 1-7 contain standard code for creating a HTML5 document including the text to be displayed in the title bar. Lines # 8-13 contain the code for creating an embedded style sheet in the head section of the document. The definition of the style sheet begins in line #8 using element called style and its attribute named type describes the content of the element. In this case it is the default type called “text/css”.

Lines #9-12 declares the rules for the style sheet. Line #9, the heading element h1 instruct the browser to display the text in a large font in blue color because curly braces contain the code {color: blue}.

Line # 10 declares a selector for a class named dark. Note the name of a class is preceded by a period. The code in the curly braces specifies that the text displayed should be bold.

Line #11 specifies that there should be no text-decoration when the anchor element named <a> is used for inserting a hyperlink. Note the default is to underline the name of the hyperlink. This style will prevent underlying the text.

Line #12 defines the style using the style class named hover that when mouse pointer is moved over a hyperlink, it will change the background color of the hyperlinked text to yellow.

Line #13 marks the end of the style sheet rules.
Line #16 will display the text using the heading element h1 in blue as defined in line #9
Line #17 uses an element named span that is an inline-level element. It specifies property value to be dark. In other words the text specified on this line will be displayed as dark.

Lines #19-22 uses anchor element ‘a’ to specify the URL of the hyperlinks using the href attribute of the anchor element.

Line # 24 specify the end of the document with the element </html>.