**Chapter 11: How to use jQuery plugins and UI widgets**

**Murach's JavaScript and jQuery (4th Edition)**

**MULTIPLE CHOICE**

1. Which of the following statements about jQuery plugins is true?

| a. | A jQuery plugin can only perform a single task. |
| --- | --- |
| b. | You must have extensive knowledge of JavaScript and CSS to use jQuery plugins. |
| c. | A jQuery plugin requires the jQuery library. |
| d. | jQuery plugins are always free. |

2. Before you can use most plugins, you must

| a. | register with the jQuery website |
| --- | --- |
| b. | download them and store them on your web server |
| c. | make sure they are available on the jQuery website |
| d. | understand the code and CSS they contain |

3. Before you use a plugin, you have to know all but one of the following. Which one is it?

| a. | the HTML that it requires |
| --- | --- |
| b. | the CSS that it provides |
| c. | the methods that it provides |
| d. | the options that it provides |

4. To use a plugin, which of the following do you NOT need to code?

| a. | a script element for the plugin |
| --- | --- |
| b. | a script element for the jQuery library |
| c. | a link element for the plugin’s CSS file |
| d. | a link element for your own CSS file |

**Code example 11-1**

**The HTML that is used by a Lightbox plugin**

**<a href="images/book\_01a.jpg" data-lightbox="Murach" data-title="HTML5 and CSS3">**

**<img src="images/book\_01b.jpg">**

**</a>**

**<a href="images/book\_02a.jpg" data-lightbox="Murach" data-title="PHP and MySQL">**

**<img src="images/book\_02b.jpg">**

**</a>**

**<a href="images/book\_03a.jpg" data-lightbox="Murach" data-title="JavaScript">**

**<img src="images/book\_03b.jpg">**

**</a>**

**<a href="images/book\_04a.jpg" data-lightbox="Murach" data-title="SQL Server">**

**<img src="images/book\_04b.jpg">**

**</a>**

5. (Refer to code example 11-1) What happens when one of the links in this code is clicked?

| a. | The image specified by the href attribute of the <a> element is displayed in a dialog box. |
| --- | --- |
| b. | The image specified by the href attribute of the <a> element is displayed in another window. |
| c. | The image specified by the src attribute of the img element is displayed in a dialog box. |
| d. | The image specified by the src attribute of the img element is displayed in another window. |

6. (Refer to code example 11-1) What does “Murach” in the data-lightbox attributes of the <a> elements do?

| a. | specifies the text that’s displayed at the top of the lightbox |
| --- | --- |
| b. | groups the images |
| c. | specifies the name that’s used in the JavaScript to refer to the lightbox |
| d. | specifies the name of the array that stores the images for the lightbox |

7. To set the minimum and maximum number of slides displayed by a carousel that’s created by the bxSlider plugin, you can adjust

| a. | the jQuery code for the plugin |
| --- | --- |
| b. | the options that you pass to the bxSlider() method |
| c. | the styles in the CSS file for the plugin |
| d. | the HTML that you code in your web page |

8. The slides for a Cycle 2 plugin are typically coded as a series of img or div elements within a/an

| a. | section element |
| --- | --- |
| b. | div element |
| c. | ul element |
| d. | ol element |

9. Which of the following statements is NOT true about jQuery UI?

| a. | It extends the jQuery library. |
| --- | --- |
| b. | It is open source. |
| c. | It provides its own selectors. |
| d. | It is a plugin. |

10. To include jQuery UI in your application, you must first include the core jQuery library. After that, which files and folders do you need to include?

| a. | the images folder, the external folder, and the compressed jQuery UI file |
| --- | --- |
| b. | the images folder, the external folder, the compressed CSS file, and the compressed jQuery UI file |
| c. | the compressed CSS file and the compressed jQuery UI file |
| d. | the images folder, the compressed CSS file, and the compressed jQuery UI file |

11. How is the default formatting for a jQuery UI widget done?

| a. | by the CSS file that’s included in the jQuery UI download |
| --- | --- |
| b. | by the JavaScript file that’s included in the jQuery UI download |
| c. | by a custom CSS file that you include in your application |
| d. | there is no default formatting |

12. To use a jQuery UI widget, you must code two things in the way that’s prescribed for the widget. What are they?

| a. | the jQuery code and the CSS styles |
| --- | --- |
| b. | the jQuery code and the HTML elements |
| c. | the jQuery code and the jQuery UI selectors |
| d. | the HTML elements and the CSS styles |

13. In the jQuery for using a widget, you must code a selector followed by

| a. | the method to be called and any options |
| --- | --- |
| b. | the name of the widget and any options |
| c. | the name of the widget, the method to be called, and any options |
| d. | the method to be called, any options, and a callback function |

14. The Accordion widget lets the user display the contents of a panel by clicking on

| a. | the panel | c. | a button |
| --- | --- | --- | --- |
| b. | a link | d. | the header of the panel |

15. The tab headings of a Tabs widget are related to their respective div elements

| a. | by the CSS file that’s included in the jQuery UI download |
| --- | --- |
| b. | by the JavaScript file that’s included in the jQuery UI download |
| c. | when you set the href attributes of the <a> elements to the ids of the div elements |
| d. | when you call the tab() method |

16. Which of the following is NOT true about a Dialog widget that’s created without any options?

| a. | It can include a title. |
| --- | --- |
| b. | It includes a Close button in the upper right corner. |
| c. | It is resizable. |
| d. | It is modal. |

17. The Button widget is often used with input elements of the “button” type, but it can also be used with <a> elements and input elements of which other types?

| a. | “submit”, “reset”, “radio”, and “checkbox” |
| --- | --- |
| b. | “text”, “reset”, “radio”, and “checkbox” |
| c. | “submit”, “reset”, “radio”, and “password” |
| d. | “submit”, “email”, “radio”, and “checkbox” |

18. What type of control is a Datepicker widget associated with?

| a. | a check box |
| --- | --- |
| b. | a text box |
| c. | a radio button |
| d. | a text area |

19. To call the accordion() method for a div element that has “panels” as its id attribute, you would code this JavaScript:

| a. | **$(".panels").accordion();** |
| --- | --- |
| b. | **$(".accordion").panels();** |
| c. | **$("#panels").accordion();** |
| d. | **$("#accordion").panels();** |

20. Which of the following statements would you code to activate a Tabs widget that uses the HTML that follows?

**<div id="panels">**

**<ul id="tabs">**

**<li><a href="#tabs-1">Book description</a></li>**

**<li><a href="#tabs-2">About the author</a></li>**

**<li><a href="#tabs-3">Who this book is for</a></li>**

**</ul>**

**<div id="tabs-1"><!-- the content --></div>**

**<div id="tabs-2"><!-- the content --></div>**

**<div id="tabs-3"><!-- the content --></div>**

**</div>**

| a. | **$("#panels").tabs();** |
| --- | --- |
| b. | **$("#tabs").tabs();** |
| c. | **$("#panels li").tabs();** |
| d. | **$("#tabs li").tabs();** |

21. What do the following options do?

**$("#datepicker").datepicker({**

**minDate: new Date(),**

**maxDate: +45**

**});**

| a. | display a bar at the bottom of the widget with the minimum and maximum dates |
| --- | --- |
| b. | add controls that let the user select between the minimum and maximum dates |
| c. | set the maximum number of months that the widget can display |
| d. | set the minimum and maximum dates that a user can select |