**Chapter 9: How to use effects and animations**

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

**MULTIPLE CHOICE**

1. You use the basic jQuery methods for effects to

| a. | determine how an effect is performed on selected elements |
| --- | --- |
| b. | start or stop an animation on selected elements |
| c. | display or hide selected elements |
| d. | change CSS properties for selected elements |

2. When working with jQuery effects, what does chaining do?

| a. | Changes the height, width, and opacity of the selected element |
| --- | --- |
| b. | Sets the duration for the effect |
| c. | Executes a callback function |
| d. | Executes two or more jQuery effects in a row |

3. To execute code after a jQuery effect has finished, you can use

| a. | a callback function | c. | a local function |
| --- | --- | --- | --- |
| b. | a global function | d. | a parameterless function |

4. Which of the following do you NOT need to do to start and stop a slide show?

| a. | Code a function for running the slide show |
| --- | --- |
| b. | Code a click() event handler for each slide |
| c. | Call the setInterval() method to start the slide show |
| d. | Call the clearInterval() method to stop the slide show |

5. When you use the animate() method, what must you code to determine what the animation will look like?

| a. | a map of CSS properties |
| --- | --- |
| b. | a callback function |
| c. | a duration parameter |
| d. | a list of HTML elements |

6. When you use the animate() method, what must you code to determine how long the animation will last?

| a. | a map of CSS properties |
| --- | --- |
| b. | a callback function |
| c. | a duration parameter |
| d. | a list of HTML elements |

7. If you chain animate() methods for an element, the animations

| a. | run at the same time |
| --- | --- |
| b. | are not guaranteed to run in any particular sequence |
| c. | run in sequence |
| d. | run in reverse sequence |

8. What does the statement that follows do?

**$("#message").delay(10000).fadeOut(2000);**

| a. | Delays the start of the fadeOut() method for 10 seconds |
| --- | --- |
| b. | Stores the fadeOut() method in the queue after 10 seconds |
| c. | Delays the execution of any animations currently in the queue and then executes the animations in the queue in sequence |
| d. | Executes the fadeOut() method and then delays the execution of other animations in the queue |

9. What does the statement that follows do?

**$("#current\_image").stop(true).animate({ height: "200%", width: "200%" });**

| a. | Completes the current animation on the selected element and then executes the animate() method. |
| --- | --- |
| b. | Completes all animations for the selected element and then executes the animate() method. |
| c. | Stops the current animation on the selected element and then executes the animate() method. |
| d. | Stops the current animation on the selected element, clears any other animations for that element, and then executes the animate() method. |

10. What does an easing do?

| a. | Makes it easier to work with effects and animations. |
| --- | --- |
| b. | Controls the way an effect or animation is performed. |
| c. | Controls the animations in a queue. |
| d. | Makes the speed of an animation slower. |

11. Which of the following statements about easings is NOT true?

| a. | jQuery provides just two easings. |
| --- | --- |
| b. | The default easing for jQuery is Expo. |
| c. | Many easings are available from plugin libraries. |
| d. | You specify an easing by coding it as a parameter for an effect or animation. |

**Code example 9-1**

**$("#faqs h1").animate(**

**{ fontSize: "250%", left: "+=125" },**

**2000,**

**() => $("#faqs h2").next().fadeIn(1000).fadeOut(1000)**

**);**

12. (Refer to code example 9-1) What animation is performed by the properties map of the animate() method?

| a. | The font size of the selected element is increased by 250% and the element is moved right 125 pixels. |
| --- | --- |
| b. | The font size of the selected element is increased by 250% and the element is moved left 125 pixels. |
| c. | The font size of the selected element is changed to 250% of the default and the element is moved right 125 pixels. |
| d. | The font size of the selected element is changed to 250% of the default and the element is moved left 125 pixels. |

13. (Refer to code example 9-1) What animation is performed by the callback function of the animate() method?

| a. | The sibling that follows each of the selected h2 elements is faded in over a second and then faded out over another second. |
| --- | --- |
| b. | The sibling that follows each of the selected h2 elements is faded in and then faded out rapidly 1000 times. |
| c. | The first child of each of the selected h2 elements is faded in over a second and then faded out over another second. |
| d. | The first child of each of the selected h2 elements is faded in and then faded out rapidly 1000 times. |