Here are additional multiple-choice questions (MCQs) covering various topics from the provided jQuery content:

11. **Which of the following is a method to manipulate CSS in jQuery?**
    - A) addClass()
    - B) removeClass()
    - C) css()
    - D) All of the above

    Answer: D) All of the above

12. **What does the `toggleClass()` method do?**
    - A) Adds a class to an element
    - B) Removes a class from an element
    - C) Toggles between adding and removing a class
    - D) Changes the CSS of an element

    Answer: C) Toggles between adding and removing a class

13. **Which jQuery method is used to get the value of form fields?**
    - A) text()
    - B) html()
    - C) val()
    - D) attr()

    Answer: C) val()

14. **What is the purpose of the `empty()` method in jQuery?**
    - A) Removes the selected element
    - B) Removes all child elements and content from the selected element
    - C) Hides the selected element
    - D) Changes the content of the selected element

Answer: B) Removes all child elements and content from the selected element

15. **Which of the following methods can be used to create a sliding effect in jQuery?**
    - A) slideDown()
    - B) slideUp()
    - C) slideToggle()
    - D) All of the above

    Answer: D) All of the above

16. **What does the `parentsUntil()` method do?**
    - A) Returns all ancestor elements of the selected element
    - B) Returns all ancestor elements between two specified elements
    - C) Returns the direct parent of the selected element
    - D) Returns all sibling elements of the selected element

    Answer: B) Returns all ancestor elements between two specified elements

17. **Which method is used to stop an ongoing animation in jQuery?**
    - A) halt()
    - B) stop()
    - C) pause()
    - D) end()

    Answer: B) stop()

18. **What is the purpose of the `$.get()` method in jQuery?**
    - A) To send data to the server
    - B) To retrieve data from the server using an HTTP GET request
    - C) To load HTML content into an element
    - D) To manipulate CSS properties

    Answer: B) To retrieve data from the server using an HTTP GET request

19. **Which of the following is a valid way to include jQuery from a CDN?**
    - A) `<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>`
    - B) `<script src="jquery.js"></script>`
    - C) `<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>`
    - D) Both A and C
    Answer: D) Both A and C

20. **What does the `filter()` method do in jQuery?**
    - A) Selects all elements
    - B) Removes elements that do not match a specified criteria
    - C) Returns the first element of the selected elements
    - D) Returns the last element of the selected elements
    Answer: B) Removes elements that do not match a specified criteria

21. **Which of the following methods is used to attach multiple event handlers to an element?**
    - A) bind()
    - B) on()
    - C) click()
    - D) attach()
    Answer: B) on()

22. **What is the purpose of the `callback` parameter in jQuery methods like `fadeIn()`?**
    - A) To specify the speed of the effect
    - B) To define the element to be affected
    - C) To execute a function after the effect is completed
    - D) To set the opacity of the element
    Answer: C) To execute a function after the effect is completed

23. **Which jQuery method is used to retrieve the width of an element including padding?**

- A) width()
- B) innerWidth()
- C) outerWidth()
- D) getWidth()

Answer: B) innerWidth()

24. **What does the `mouseenter()` method do?**

- A) Triggers when the mouse leaves an element
- B) Triggers when the mouse enters an element
- C) Triggers when the mouse is clicked
- D) Triggers when the mouse is double-clicked

Answer: B) Triggers when the mouse enters an element

25. **Which of the following is NOT a jQuery AJAX method?**

- A) load()
- B) get()
- C) post()
- D) fetch()

Answer: D) fetch()

26. **What is the purpose of the `noConflict()` method in jQuery?**

- A) To create a new jQuery instance
- B) To release the `$` identifier for use by other libraries
- C) To prevent jQuery from running
- D) To optimize jQuery performance

Answer: B) To release the `$` identifier for use by other libraries

27. **Which of the following methods can be used to add new HTML content to an element?**

- A) append()
- B) prepend()
- C) after()
- D) All of the above

Answer: D) All of the above

28. **What does the `siblings()` method return?**
    - A) All child elements of the selected element
    - B) All parent elements of the selected element
    - C) All sibling elements of the selected element
    - D) All descendant elements of the selected element

    Answer: C) All sibling elements of the selected element

29. **Which method is used to change the text content of an element?**
    - A) text()
    - B) html()
    - C) content()
    - D) change()

    Answer: A) text()

30. **What does the `slideToggle()` method do?**
    - A) Hides an element
    - B) Shows an element
    - C) Toggles between sliding up and sliding down an element
    - D) None of the above

    Answer: C) Toggles between sliding up and sliding down an element

1. **What is jQuery?**

- A) A programming language
- B) A JavaScript library
- C) A CSS framework
- D) A database management system
  Answer: B) A JavaScript library

2. **Which of the following is NOT a feature of jQuery?**

- A) HTML/DOM manipulation
- B) CSS manipulation
- C) Database management
- D) AJAX
  Answer: C) Database management

3. **How can jQuery be added to an HTML document?**

- A) By downloading the library
- B) By including it from a CDN
- C) Both A and B
- D) None of the above
  Answer: C) Both A and B

4. **What does the jQuery syntax `$(selector).action()` represent?**

- A) A CSS selector
- B) A jQuery method
- C) A JavaScript function
- D) An HTML element
  Answer: B) A jQuery method

5. **Which method is used to hide an element in jQuery?**

- A) hide()
- B) remove()
- C) fadeOut()
- D) All of the above
  Answer: D) All of the above

6. **What is the purpose of the `$(document).ready()` method?**

- A) To execute code when the document is fully loaded
- B) To hide elements
- C) To manipulate CSS

- D) To create animations
  Answer: A) To execute code when the document is fully loaded

7. **Which jQuery method is used to attach an event handler for a click event?**

- A) on()
- B) click()
- C) bind()
- D) Both A and B
  Answer: D) Both A and B

8. **What does the `fadeIn()` method do?**

- A) Hides an element
- B) Shows an element with a fading effect
- C) Changes the background color
- D) None of the above
  Answer: B) Shows an element with a fading effect

9. **Which method is used to remove an element from the DOM?**

- A) delete()
- B) remove()
- C) clear()
- D) detach()
  Answer: B) remove()

10. **What is AJAX used for in jQuery?**

- A) To create animations
- B) To load data in the background without refreshing the page
- C) To manipulate CSS
- D) To traverse the DOM
  Answer: B) To load data in the background without refreshing the page

Short Answer Questions

1. **Define jQuery and its primary purpose.**

jQuery is a fast, small, and feature-rich JavaScript library designed to simplify HTML document traversal and manipulation, event handling, animation, and AJAX interactions with an easy-to-use API that works across various browsers.

2. **List three key features of jQuery.**

- HTML/DOM manipulation
- CSS manipulation
- AJAX support

3. **Explain the significance of the `$(document).ready()` function in jQuery.**

   The **`$(document).ready()`** function ensures that the jQuery code runs only after the HTML document is fully loaded, preventing any code from executing before the document is ready.

4. **What are jQuery selectors and why are they important?**

   jQuery selectors are used to select and manipulate HTML elements based on their id, classes, types, attributes, and values. They are important because they allow developers to easily access and modify elements in the DOM.

5. **Describe the difference between the `fadeIn()` and `fadeOut()` methods.**

   The **`fadeIn()`** method gradually changes the opacity of selected elements from hidden to visible, while the **`fadeOut()`** method gradually changes the opacity from visible to hidden.

6. **What is the purpose of the `on()` method in jQuery?**

   The **`on()`** method is used to attach one or more event handlers for the selected elements, allowing developers to define what should happen when specific events occur.

7. **How can jQuery be included in an HTML document?**

   jQuery can be included in an HTML document by downloading the jQuery library and referencing it in a **`<script>`** tag or by including it from a Content Delivery Network (CDN).

8. **What is the `noConflict()` method in jQuery?**

   The **`noConflict()`** method releases the hold on the **`$`** shortcut identifier, allowing other JavaScript frameworks to use the **`$`** sign without conflict, and enables developers to create their own shortcuts if needed.

9. **Explain the use of the `animate()` method in jQuery.**

The **`animate()`** method allows developers to create custom animations by changing CSS properties of selected elements over a specified duration, enabling complex visual effects.

10. **What are the differences between the `innerWidth()` and `outerWidth()` methods?**

The **`innerWidth()`** method returns the width of an element including padding, while the **`outerWidth()`** method returns the width including padding and border.