

JQuery Interview Q&A

Please write basic , inter, and advance JQuery Ans questions 50

Here are 50 basic, intermediate, and advanced jQuery questions and answers:

Basic jQuery Questions

1. What is jQuery?

- jQuery is a fast, small, and feature-rich JavaScript library. It simplifies things like HTML document traversal and manipulation, event handling, and animation.

2. How do you include jQuery in a web page?

- You can include jQuery by adding a `<script>` tag with the source pointing to a CDN or your local jQuery file:

html

```
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
```

3. What is the purpose of the `$(document).ready()` function?

- The `$(document).ready()` function ensures that the DOM is fully loaded before any jQuery code is executed.

4. What is the use of the `$` symbol in jQuery?

- The `$` symbol is an alias for the `jQuery()` function and is used to access jQuery methods.

5. How do you select an HTML element using jQuery?

- You can select elements by using the CSS selector syntax:

javascript

```
$('#id') // Select by ID  
$('.class') // Select by class  
$('element') // Select by tag
```

6. What is the difference between `.html()` and `.text()` methods in jQuery?

- `.html()` is used to get or set the HTML content of an element, while `.text()` is used to get or set the text content.

7. How do you hide an element using jQuery?

- You can hide an element using the `.hide()` method:

```
javascript

$('#element').hide();
```

8. How do you show a hidden element using jQuery?

- Use the `.show()` method to display the element:

```
javascript

$('#element').show();
```

9. How do you toggle the visibility of an element?

- Use the `.toggle()` method:

```
javascript

$('#element').toggle();
```

10. How do you change the text of an element using jQuery?

- You can change the text using the `.text()` method:

```
javascript

$('#element').text('New Text');
```

11. How do you add a class to an element using jQuery?

- You can add a class using the `.addClass()` method:

```
javascript

$('#element').addClass('newClass');
```

12. How do you remove a class from an element using jQuery?

- You can remove a class using the `.removeClass()` method:

```
javascript
```

```
$('#element').removeClass('oldClass');
```

13. How do you add an event listener in jQuery?

- You can add an event listener using `.on()` :

```
javascript
```

```
$('#button').on('click', function() {  
    alert('Button clicked!');  
});
```

14. How do you change the background color of an element using jQuery?

- Use the `.css()` method to change styles:

```
javascript
```

```
$('#element').css('background-color', 'red');
```

15. What is the `.attr()` method used for?

- The `.attr()` method is used to get or set the value of an attribute for an element:

```
javascript
```

```
var value = $('#element').attr('href');
```

16. What is the `.val()` method used for?

- The `.val()` method is used to get or set the value of form elements like input fields, select boxes, etc.:

```
javascript
```

```
var value = $('#input').val();
```

17. What does `$(this)` refer to in jQuery?

- `$(this)` refers to the DOM element that is currently being interacted with inside an event handler.

18. How do you animate an element using jQuery?

- Use the `.animate()` method to apply custom animations:

```
javascript
```

```
$('#element').animate({left: '100px'}, 1000);
```

19. What is the `.each()` method in jQuery?

- The `.each()` method iterates over a jQuery object, executing a function for each matched element:

```
javascript
```

```
$('#li').each(function(index) {  
    console.log(index);  
});
```

20. How do you remove an element from the DOM using jQuery?

- You can use `.remove()` to remove an element:

```
javascript
```

```
$('#element').remove();
```

Intermediate jQuery Questions

21. What is the difference between `.on()` and `.bind()` in jQuery?

- `.on()` is a more flexible method introduced in jQuery 1.7 for event handling, while `.bind()` is an older method used to attach event handlers.

22. How do you prevent the default behavior of an event in jQuery?

- Use `.preventDefault()` in the event handler:

```
javascript
```

```
$('#form').on('submit', function(e) {  
    e.preventDefault();  
});
```

23. What is event delegation in jQuery?

- Event delegation is the practice of attaching an event handler to a parent element and using it to manage events on child elements. It's useful when dynamically adding elements to the DOM.

24. How do you attach multiple event handlers to a single element in jQuery?

- Use `.on()` to bind multiple events:

```
javascript

$('#element').on('click mouseenter', function() {
    // Handle both events
});
```

25. What is the difference between `.width()` and `.outerWidth()` in jQuery?

- `.width()` returns the content width, while `.outerWidth()` returns the total width including padding and border.

26. How do you fade in an element using jQuery?

- Use the `.fadeIn()` method:

```
javascript

$('#element').fadeIn();
```

27. How do you fade out an element using jQuery?

- Use the `.fadeOut()` method:

```
javascript

$('#element').fadeOut();
```

28. How do you use the `.slideUp()` method in jQuery?

- `.slideUp()` animates an element to slide up and hide it:

```
javascript

$('#element').slideUp();
```

29. What is the `.serialize()` method in jQuery?

- The `.serialize()` method converts form data into a query string format for use in AJAX requests:

```
javascript
```

```
var data = $('#form').serialize();
```

30. What is the `.stop()` method in jQuery?

- The `.stop()` method is used to stop the currently running animation on an element.

31. What is the `.fadeTo()` method in jQuery?

- The `.fadeTo()` method changes the opacity of an element to a specified value:

```
javascript
```

```
$('#element').fadeTo('slow', 0.5);
```

32. What is the purpose of the `.delay()` method in jQuery?

- The `.delay()` method pauses the execution of an animation for a specified duration.

33. What is the difference between `.hover()` and `.mouseenter()` ?

- `.hover()` is shorthand for `.mouseenter()` and `.mouseleave()` , while `.mouseenter()` triggers only when the mouse enters the element.

34. What is the `.promise()` method in jQuery?

- The `.promise()` method returns a Promise object that resolves when a particular set of animations or effects finishes.

35. How do you check if an element is hidden using jQuery?

- Use the `.is(':hidden')` selector to check:

```
javascript
```

```
if ($('#element').is(':hidden')) {  
    // Element is hidden  
}
```

36. How do you prevent an event from bubbling up in the DOM?

- Use `.stopPropagation()` to prevent event bubbling:

```
javascript
```

```
$('#element').on('click', function(e) {  
    e.stopPropagation();  
});
```

37. How can you get the current position of an element using jQuery?

- Use the `.position()` method:

```
javascript  
  
var position = $('#element').position();
```

38. How do you get the dimensions of an element (width and height) in jQuery?

- Use `.width()` and `.height()`:

```
javascript  
  
var width = $('#element').width();  
var height = $('#element').height();
```

39. What is the `.offset()` method used for?

- The `.offset()` method returns the position of an element relative to the document.

40. How can you create an element dynamically using jQuery?

- Use the `.append()` or `.prepend()` methods to create and add an element:

```
javascript  
  
$('#<div>').text('New Element').appendTo('body');
```

Advanced jQuery Questions

41. What is chaining in jQuery?

- Chaining allows multiple jQuery methods to be called on the same element in a single line of code:

```
javascript
```

```
$('#element').addClass('newClass').css('color', 'red').fadeOut();
```

42. How do you optimize jQuery performance?

- Avoid using costly operations like `.each()` on large sets, use event delegation, minimize DOM manipulations, and cache selectors.

43. What is the purpose of the `$.ajax()` function in jQuery?

- `$.ajax()` is used to send asynchronous HTTP requests, such as GET, POST, and PUT requests to the server.

44. How do you use `$.get()` and `$.post()` methods in jQuery?

- `$.get()` sends an HTTP GET request, and `$.post()` sends an HTTP POST request:

javascript

```
$.get('/path', function(response) {  
    console.log(response);  
});
```

45. What is the difference between `$.get()` and `$.ajax()`?

- `$.ajax()` provides more options and is more flexible than `$.get()`, which is a shorthand method.

46. How do you make an API call using jQuery?

- You can use `$.ajax()` or its shorthand methods like `$.get()`:

javascript

```
$.ajax({  
    url: '/api/endpoint',  
    method: 'GET',  
    success: function(data) {  
        console.log(data);  
    }  
});
```

47. What are jQuery plugins?

- jQuery plugins are pre-written code that extends the functionality of jQuery, like sliders, datepickers, or modals.

48. How can you load external content into a page using jQuery?

- Use `.load()` to load content from a URL into an element:

```
javascript
```

```
$('#element').load('file.html');
```

49. What is the `.each()` method useful for in jQuery?

- `.each()` is used to loop over a collection of elements and perform an action for each one.

50. What is the difference between `.fadeIn()` and `.fadeTo()` ?

- `.fadeIn()` animates the element from an invisible state to visible, while `.fadeTo()` changes the opacity of an element to a specific level.

These questions cover a broad spectrum of jQuery, from basic to advanced concepts. They will help you prepare for interviews or review your knowledge of jQuery.