1. **Basics jQuery selectors?**

All HTML elements and all the pseode classes are jquery selectors.

1. **What is jQuery ? Why we use jQuery over JavaScript?**

jQuery is the library which is built in JavaScript. It’s easy to learn and reduces the developer’s time. jQuery is designed to make many JavaScript development tasks much easier.

JQuery provides methods to manipulate DOM in efficient way. You do not need to write big code to modify the value of any element's attribute or to extract HTML code from a paragraph or division.

1. DOM Manipulation : .attr(), .html(), and .val()
2. Event handing : on(), trigger(),live())
3. CSS3 Element selection: like $(“ul li:first-child”)
4. Animations : $("div").animate({left: '250px'});
5. Ajax Manipulation : jQuery.ajax( url [, settings ] )
6. Lightweight minified Plug-in :
7. Cross browser support
8. **jQuery event handlers (Deprecated vs. new) ?**

Deprecated elements: die(), error(), live(), load(), toggle(), unload()

Bind():Attaches event handlers to elements

Live(): Adds one or more event handlers to current, or future, selected elements

[delegate()](http://www.w3schools.com/jquery/event_delegate.asp):Attaches a handler to current, or future, specified child elements of the matching elements

[die()](http://www.w3schools.com/jquery/event_die.asp):Removes all event handlers added with the live() method

1. **What is AJAX ? Different types of jQuery AJAX methods?**

AJAX = Asynchronous JavaScript and XML. AJAX is art of exchanging the data without reloading the page. With the jQuery AJAX methods, you can request text, HTML, XML, or JSON from a remote server using both HTTP Get and HTTP Post - And you can load the external data directly into the selected HTML elements of your web page!

$.ajax() : Performs asynchronous Ajax request.

$.ajaxPrefilter(): Handing custom Ajax options and modify existing options before each request is sent and before they processed using $.ajax().

$.ajaxStup(): Sets default value for the future Ajax request .

$.get(): Loads the data from the server using http GET request.

$.getJSON(): Loads JSON-encoded data from the server using http GET request.

$.getScript(): Loads javascript from server using http GET request.

[$.post()](http://www.w3schools.com/jquery/ajax_post.asp): Loads data from a server using an AJAX HTTP POST request.

ajaxComplete(): Specify a function when ajax request is complete.

ajaxError(): Specifies a function to run when the AJAX request completes with an error.

ajaxSend(): Specifies a function to run before the AJAX request is sent.

ajaxStart(): Specifies a function to run when the first AJAX request begins.

ajaxStop(): Specifies a function to run when all AJAX requests have completed.

ajaxSuccess(): Specifies a function to run when an AJAX request completes successfully.

load(): Loads data from a server and puts the returned data into the selected element.

1. **jQuery promise() and deffered() and its associate methods ?**

The Deferred object is chainable, similar to the way a jQuery object is chainable, but it has its own methods. After creating a Deferred object, you can use any of the methods below by either chaining directly from the object creation or saving the object in a variable and invoking one or more methods on that variable.

.promise()

Return a Promise object to observe when all actions of a certain type bound to the collection, queued or not, have finished.

jQuery.Deferred()

A factory function that returns a chainable utility object with methods to register multiple callbacks into callback queues, invoke callback queues, and relay the success or failure state of any synchronous or asynchronous function.

deferred.always()

Add handlers to be called when the Deferred object is either resolved or rejected.

deferred.done()

Add handlers to be called when the Deferred object is resolved.

deferred.fail()

Add handlers to be called when the Deferred object is rejected.

deferred.isRejected()

Determine whether a Deferred object has been rejected.

deferred.isResolved()

Determine whether a Deferred object has been resolved.

deferred.promise()

Return a Deferred’s Promise object.

deferred.reject()

Reject a Deferred object and call any failCallbacks with the given args.

deferred.resolve()

Resolve a Deferred object and call any doneCallbacks with the given args.

1. **Difference between jQuery empty(), remove(), detach() ?**

Empty() : Remove the all the child elements of the matched element.

remove(): method removes set of matched elements from DOM.

Detach():This method is the same as .remove() and elements are to be reinserted into the DOM at a later time.

1. **jQuery serialize() object ?**

The param() method creates a serialized representation of an array or an object.

The serialize() method creates a URL encoded text string by serializing form values.

You can select one or more form elements (like input and/or text area), or the form element itself.

The serialized values can be used in the URL query string when making an AJAX request.

1. **On(), off() methods in jQuery ?**

The on() method attaches one or more event handlers for the selected elements and child elements.

To remove event handlers, use the [off()](http://www.w3schools.com/jquery/event_off.asp) method.

To attach an event that only runs once and then removes itself, use the [one()](http://www.w3schools.com/jquery/event_one.asp) method.

1. **What are JQUERY methods and events?**

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| **Method** | **Description** |
| [addClass()](http://www.w3schools.com/jquery/html_addclass.asp) | Adds one or more class names to selected elements |
| [after()](http://www.w3schools.com/jquery/html_after.asp) | Inserts content after selected elements |
| [append()](http://www.w3schools.com/jquery/html_append.asp) | Inserts content at the end of selected elements |
| [appendTo()](http://www.w3schools.com/jquery/html_appendto.asp) | Inserts HTML elements at the end of selected elements |
| [attr()](http://www.w3schools.com/jquery/html_attr.asp) | Sets or returns attributes/values of selected elements |
| [before()](http://www.w3schools.com/jquery/html_before.asp) | Inserts content before selected elements |
| [clone()](http://www.w3schools.com/jquery/html_clone.asp) | Makes a copy of selected elements |
| [css()](http://www.w3schools.com/jquery/css_css.asp) | Sets or returns one or more style properties for selected elements |
| [detach()](http://www.w3schools.com/jquery/html_detach.asp) | Removes selected elements (keeps data and events) |
| [empty()](http://www.w3schools.com/jquery/html_empty.asp) | Removes all child nodes and content from selected elements |
| [hasClass()](http://www.w3schools.com/jquery/html_hasclass.asp) | Checks if any of the selected elements have a specified class name |
| [height()](http://www.w3schools.com/jquery/css_height.asp) | Sets or returns the height of selected elements |
| [html()](http://www.w3schools.com/jquery/html_html.asp) | Sets or returns the content of selected elements |
| [innerHeight()](http://www.w3schools.com/jquery/html_innerheight.asp) | Returns the height of an element (includes padding, but not border) |
| [innerWidth()](http://www.w3schools.com/jquery/html_innerwidth.asp) | Returns the width of an element (includes padding, but not border) |
| [insertAfter()](http://www.w3schools.com/jquery/html_insertafter.asp) | Inserts HTML elements after selected elements |
| [insertBefore()](http://www.w3schools.com/jquery/html_insertbefore.asp) | Inserts HTML elements before selected elements |
| [offset()](http://www.w3schools.com/jquery/css_offset.asp) | Sets or returns the offset coordinates for selected elements (relative to the document) |
| [offsetParent()](http://www.w3schools.com/jquery/css_offsetparent.asp) | Returns the first positioned parent element |
| [outerHeight()](http://www.w3schools.com/jquery/html_outerheight.asp) | Returns the height of an element (includes padding and border) |
| [outerWidth()](http://www.w3schools.com/jquery/html_outerwidth.asp) | Returns the width of an element (includes padding and border) |
| [position()](http://www.w3schools.com/jquery/css_position.asp) | Returns the position (relative to the parent element) of an element |
| [prepend()](http://www.w3schools.com/jquery/html_prepend.asp) | Inserts content at the beginning of selected elements |
| [prependTo()](http://www.w3schools.com/jquery/html_prependto.asp) | Inserts HTML elements at the beginning of selected elements |
| [prop()](http://www.w3schools.com/jquery/html_prop.asp) | Sets or returns properties/values of selected elements |
| [remove()](http://www.w3schools.com/jquery/html_remove.asp) | Removes the selected elements (including data and events) |
| [removeAttr()](http://www.w3schools.com/jquery/html_removeattr.asp) | Removes one or more attributes from selected elements |
| [removeClass()](http://www.w3schools.com/jquery/html_removeclass.asp) | Removes one or more classes from selected elements |
| [removeProp()](http://www.w3schools.com/jquery/html_removeprop.asp) | Removes a property set by the prop() method |
| [replaceAll()](http://www.w3schools.com/jquery/html_replaceall.asp) | Replaces selected elements with new HTML elements |
| [replaceWith()](http://www.w3schools.com/jquery/html_replacewith.asp) | Replaces selected elements with new content |
| [scrollLeft()](http://www.w3schools.com/jquery/css_scrollleft.asp) | Sets or returns the horizontal scrollbar position of selected elements |
| [scrollTop()](http://www.w3schools.com/jquery/css_scrolltop.asp) | Sets or returns the vertical scrollbar position of selected elements |
| [text()](http://www.w3schools.com/jquery/html_text.asp) | Sets or returns the text content of selected elements |
| [toggleClass()](http://www.w3schools.com/jquery/html_toggleclass.asp) | Toggles between adding/removing one or more classes from selected elements |
| [unwrap()](http://www.w3schools.com/jquery/html_unwrap.asp) | Removes the parent element of the selected elements |
| [val()](http://www.w3schools.com/jquery/html_val.asp) | Sets or returns the value attribute of the selected elements (for form elements) |
| [width()](http://www.w3schools.com/jquery/css_width.asp) | Sets or returns the width of selected elements |
| [wrap()](http://www.w3schools.com/jquery/html_wrap.asp) | Wraps HTML element(s) around each selected element |
| [wrapAll()](http://www.w3schools.com/jquery/html_wrapall.asp) | Wraps HTML element(s) around all selected elements |
| [wrapInner()](http://www.w3schools.com/jquery/html_wrapinner.asp) | Wraps HTML element(s) around the content of each selected element |

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| **Method** | **Description** |
| [bind()](http://www.w3schools.com/jquery/event_bind.asp) | Attaches event handlers to elements |
| [blur()](http://www.w3schools.com/jquery/event_blur.asp) | Attaches/Triggers the blur event |
| [change()](http://www.w3schools.com/jquery/event_change.asp) | Attaches/Triggers the change event |
| [click()](http://www.w3schools.com/jquery/event_click.asp) | Attaches/Triggers the click event |
| [dblclick()](http://www.w3schools.com/jquery/event_dblclick.asp) | Attaches/Triggers the double click event |
| [delegate()](http://www.w3schools.com/jquery/event_delegate.asp) | Attaches a handler to current, or future, specified child elements of the matching elements |
| [die()](http://www.w3schools.com/jquery/event_die.asp) | Removed in version 1.9. Removes all event handlers added with the live() method |
| [error()](http://www.w3schools.com/jquery/event_error.asp) | Deprecated in version 1.8. Attaches/Triggers the error event |
| [event.currentTarget](http://www.w3schools.com/jquery/event_currenttarget.asp) | The current DOM element within the event bubbling phase |
| [event.data](http://www.w3schools.com/jquery/event_data.asp) | Contains the optional data passed to an event method when the current executing handler is bound |
| [event.delegateTarget](http://www.w3schools.com/jquery/event_delegatetarget.asp) | Returns the element where the currently-called jQuery event handler was attached |
| [event.isDefaultPrevented()](http://www.w3schools.com/jquery/event_isdefaultprevented.asp) | Returns whether event.preventDefault() was called for the event object |
| [event.isImmediatePropagationStopped()](http://www.w3schools.com/jquery/event_isimmediatepropagationstopped.asp) | Returns whether event.stopImmediatePropagation() was called for the event object |
| [event.isPropagationStopped()](http://www.w3schools.com/jquery/event_ispropagationstopped.asp) | Returns whether event.stopPropagation() was called for the event object |
| [event.namespace](http://www.w3schools.com/jquery/event_namespace.asp) | Returns the namespace specified when the event was triggered |
| [event.pageX](http://www.w3schools.com/jquery/event_pagex.asp) | Returns the mouse position relative to the left edge of the document |
| [event.pageY](http://www.w3schools.com/jquery/event_pagey.asp) | Returns the mouse position relative to the top edge of the document |
| [event.preventDefault()](http://www.w3schools.com/jquery/event_preventdefault.asp) | Prevents the default action of the event |
| [event.relatedTarget](http://www.w3schools.com/jquery/event_relatedtarget.asp) | Returns which element being entered or exited on mouse movement. |
| [event.result](http://www.w3schools.com/jquery/event_result.asp) | Contains the last/previous value returned by an event handler triggered by the specified event |
| [event.stopImmediatePropagation()](http://www.w3schools.com/jquery/event_stopimmediatepropagation.asp) | Prevents other event handlers from being called |
| [event.stopPropagation()](http://www.w3schools.com/jquery/event_stoppropagation.asp) | Prevents the event from bubbling up the DOM tree, preventing any parent handlers from being notified of the event |
| [event.target](http://www.w3schools.com/jquery/event_target.asp) | Returns which DOM element triggered the event |
| [event.timeStamp](http://www.w3schools.com/jquery/event_timestamp.asp) | Returns the number of milliseconds since January 1, 1970, when the event is triggered |
| [event.type](http://www.w3schools.com/jquery/event_type.asp) | Returns which event type was triggered |
| [event.which](http://www.w3schools.com/jquery/event_which.asp) | Returns which keyboard key or mouse button was pressed for the event |
| [focus()](http://www.w3schools.com/jquery/event_focus.asp) | Attaches/Triggers the focus event |
| [focusin()](http://www.w3schools.com/jquery/event_focusin.asp) | Attaches an event handler to the focusin event |
| [focusout()](http://www.w3schools.com/jquery/event_focusout.asp) | Attaches an event handler to the focusout event |
| [hover()](http://www.w3schools.com/jquery/event_hover.asp) | Attaches two event handlers to the hover event |
| [keydown()](http://www.w3schools.com/jquery/event_keydown.asp) | Attaches/Triggers the keydown event |
| [keypress()](http://www.w3schools.com/jquery/event_keypress.asp) | Attaches/Triggers the keypress event |
| [keyup()](http://www.w3schools.com/jquery/event_keyup.asp) | Attaches/Triggers the keyup event |
| [live()](http://www.w3schools.com/jquery/event_live.asp) | Removed in version 1.9. Adds one or more event handlers to current, or future, selected elements |
| [load()](http://www.w3schools.com/jquery/event_load.asp) | Deprecated in version 1.8. Attaches an event handler to the load event |
| [mousedown()](http://www.w3schools.com/jquery/event_mousedown.asp) | Attaches/Triggers the mousedown event |
| [mouseenter()](http://www.w3schools.com/jquery/event_mouseenter.asp) | Attaches/Triggers the mouseenter event |
| [mouseleave()](http://www.w3schools.com/jquery/event_mouseleave.asp) | Attaches/Triggers the mouseleave event |
| [mousemove()](http://www.w3schools.com/jquery/event_mousemove.asp) | Attaches/Triggers the mousemove event |
| [mouseout()](http://www.w3schools.com/jquery/event_mouseout.asp) | Attaches/Triggers the mouseout event |
| [mouseover()](http://www.w3schools.com/jquery/event_mouseover.asp) | Attaches/Triggers the mouseover event |
| [mouseup()](http://www.w3schools.com/jquery/event_mouseup.asp) | Attaches/Triggers the mouseup event |
| [off()](http://www.w3schools.com/jquery/event_off.asp) | Removes event handlers attached with the on() method |
| [on()](http://www.w3schools.com/jquery/event_on.asp) | Attaches event handlers to elements |
| [one()](http://www.w3schools.com/jquery/event_one.asp) | Adds one or more event handlers to selected elements. This handler can only be triggered once per element |
| [$.proxy()](http://www.w3schools.com/jquery/event_proxy.asp) | Takes an existing function and returns a new one with a particular context |
| [ready()](http://www.w3schools.com/jquery/event_ready.asp) | Specifies a function to execute when the DOM is fully loaded |
| [resize()](http://www.w3schools.com/jquery/event_resize.asp) | Attaches/Triggers the resize event |
| [scroll()](http://www.w3schools.com/jquery/event_scroll.asp) | Attaches/Triggers the scroll event |
| [select()](http://www.w3schools.com/jquery/event_select.asp) | Attaches/Triggers the select event |
| [submit()](http://www.w3schools.com/jquery/event_submit.asp) | Attaches/Triggers the submit event |
| [toggle()](http://www.w3schools.com/jquery/event_toggle.asp) | Removed in version 1.9. Attaches two or more functions to toggle between for the click event |
| [trigger()](http://www.w3schools.com/jquery/event_trigger.asp) | Triggers all events bound to the selected elements |
| [triggerHandler()](http://www.w3schools.com/jquery/event_triggerhandler.asp) | Triggers all functions bound to a specified event for the selected elements |
| [unbind()](http://www.w3schools.com/jquery/event_unbind.asp) | Removes an added event handler from selected elements |
| [undelegate()](http://www.w3schools.com/jquery/event_undelegate.asp) | Removes an event handler to selected elements, now or in the future |
| [unload()](http://www.w3schools.com/jquery/event_unload.asp) | Deprecated in version 1.8. Attaches an event handler to the unload event |

1. **How can we find the height and width of div in jquery?**
2. **What is delegate, and write the syntax for it?**
3. **How to stop the propagation of an event?**
4. **How can we change the CSS of a div in jquery ?**
5. **Difference between window.ready() and window.load(). ?**
6. **What is chaining injquery.?**
7. **How to override jquery$ ?**
8. **What is noconflict() method used for.?**
9. **What is append () appendto() prepend() remove() ?**
10. **How to find the row index of table row clinked.**
11. **What is document. Ready () function does..?**
12. **Ajax methods in jquery?**
13. **How to parse the json object?**
14. **How can we compare two objects to find if they are equal?**
15. **How does Ajaxwork?**
16. **How to extend a class?**
17. **How to handle ajax failure?**
18. **How to create a json object?**