**Jquery**

**First header function**

$(document).ready(function(){

})

**Basic syntax**

Selector.method

**Selectors**

* id selector (“#name”)
* class name(“.name”)
* tagname(“tag name”)
* all selector( “ \* ”)
* multiple selector(“.first class”, “second class”, many more)
* pseudo selector(“p:first/last/odd/even”)
* eq(equation selector)
* gt(greater than selector)
* lt(lower than)

**Mouse Events**

* click()
* dblclick()
* contextmenu(): right click
* mouseenter()
* mouseleave()

**Keyboard events**

* keypress()
* keydown(): for special keys like ctrl, shift, alt and many more
* keyup()

**Form events**

* focus(): when we focus on any input field
* blur(): as we remove focus from input field
* change(): as we change option from select field
* select(): as we select any thing from select box
* submit(): as we click on the submit button of the form

**Window Events**

* load(): remove from version 3.00
* unload: remove from version 3.0
* resize(): when you resize the window
* scroll(): when you scroll the window or container

**Get methods**

* text(): get the text
* html(): get the html
* attr(): get the value of the attributes
* val(): get the value of the input field

**Class methods**

* addClass()
* removeClass()
* toggleClass()

**On/off methods**

* **on method:** we can apply multiple events on one object using on method like : $(“#abc”).on({

click: function() {},

mouseenter:function(){}

})

**Append/prepend**

**After and before method**

**Empty and remove method**

* **empty()** it is used to remove the content of the tag
* **remove():** it is used to delete the tag

**clone method**

**clone():** it is used to copy and paste the content

**replaceWith/replaceAll**

**Height and width**

* width(): width of the content
* height(): height of the content
* innerWidth(): entire width of the container after border
* innerHeight(): entire height of the container after border
* outerWidth(): total width of the container with border
* outerHeight(): total height of the container with border
* outerWidth(true): get the width of the container with margin
* outerHeight(true) get the height of the container with margin

**Position and offset**

**scrollTop and scrollLeft**

**hasClass**

**fade methods**

1. fadeIn()
2. fadeout()
3. fadeToggle()
4. fadeTo()

**slide methods**

1. slideDown()
2. slideUp()
3. slideToggle()

**Animate methods**

**$**(selector).animate({paramenter}, speed, callback); // parameter should be in camel case

**Stop method**

$(‘selector’).stop() // it is used to stop the animation

stop(true) for stop all the animation

**Ancestors methods**

1. parent() // it is used to target the just immediate parent
2. parents() // it is used to target the all parents
3. parentUntil() //it is used to target the range of parents
4. closest() // it target the nearest matching parameter
5. offsetParent(): it is used to target the parent which have property relative

**Descendants methods**

1. children(): it is used to target the children element
2. find(): it used to find the all children grand children grand children

**Siblings methods**

1. siblings() // it is used to target the all siblings
2. next() // it is used to target the next sibling
3. nextAll() // it is used to target next All siblings element
4. nextUntil() // it is used to target the range of next elements
5. prev(): // it is just opposite of the next method. Used to target immediate previous element
6. prevAll() // it is just opposite of the nextAll method. Used to target immediate previous All element
7. prevUntil() // it is used to target the range of previous elements

**Filtering methods**

1. first() // it is used to target the first element of the parameter
2. last() // it is used to target the last element of the parameter
3. eq() // it is used to target the equation element
4. filter() // it is used to target the filterted element of the parameter
5. not() // it is used to target the not element of the parameter
6. slice() // it is used to target the sliced item

**Is/ has method**

1. **has(): //** it is used to target the descendant element of a tag
2. **is():** // it is used to find the class or tag or element is available or not

**each method**

1. it is used to loop the all give element

**Event objects**

1. event.pageX // it is used to get the x axis of the cursor
2. event.pageY // it is used to get the y axis of the cursor
3. event.type // it is used to find the triggered event
4. event.which // it is used to find which button of mouse click left/right/center(mouse wheel)
5. event.target // it is used to find the targeted element
6. event.preventDefault() // it is used to stop the default event of the tag
7. event.isDefaultPrevented() // it is used to check the prevent default working or not
8. event.stopPropagation() // it is used to stop the parent event
9. event.isPropagation stopped // it is used to check the propagation stopped or not
10. event.data // it is used to pass the data on the event

Jquery popular plugins category

1. Accordions
2. Charts & Graphs
3. Calender
4. Drag and Drop
5. Image Effects
6. Maps
7. Video and audio players
8. Zoom effect
9. Sliders
10. Form validations
11. Tabs
12. Popup window
13. And many more