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**Introduction:** This ICP is about to learn object oriented JavaScript along with jQuery.

Programming Elements: javascript2, jQuery, html5,css

Tools Required: Jetbrains-webstorm

**Objective-1:**Using JavaScript and jQuery to select a color by typing it in the text box or picking it from a given set of colors.

 I have developed normal html page for this ,shown below.

• The Javascript page for this one is given below.

 As the page loads add each color in the colors array to the div '#colors' Corresponding comments for each line is given in code snippets.

```
colors = ("22c5c", "d6036", "71b502", "a72655", "b3d67", "e6b01", "104333", "ca4694", "4a772d", "c180a7", "955112", "8d268d"]

// sets the preview color to the one entered in the input and display its color code using setPreviewColor function function setPreviewColor(color) ("function setPreviewColor(color), color);

//adds color bases to the favorite colors

//adds color sets the favorite colors

//adds color sets the favorite colors

//adds color sets the favorite colors

//add color bases to the favorite colors

//add color bases to the favorite colors

//add color bases

//add color bases
```

 The Jquery page to pick favorite color is given below.

```
Off

//8 sourceMappingURL=jquery-2.0.3 min.map

3*/

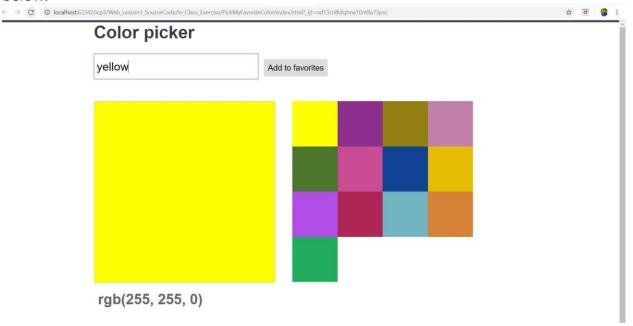
3*/

(function(e, undefined) {var t,n,r=typeof undefined,i=e.location,o=e.document,s=o.documentElement,a=e.jquery,u=e.$,1={},c=[],p="2.0.3",f=c.concat,h=c.pu

3};"improgress"===i&k(i=n.shift(),r=-),i&k("fx"===t&kn.unshift(|RemS: "improgress"),delete o.stop,i.call(e,s,o)),!r&ko&&o.empty.fire()},_queueHooks:func

3};delegate:function(e,t,n,r){return this.on(t,e,n,r)},undelegate:function(e,t,n){return 1===arguments.length?this.off(e, "**"):this.off(t,e||"**",n)}})
```

Output image is given below.



# Objective-2:To retrieve details of a GitHub user like the name, ID, profile picture and link to the user's account.

 The HTML page for this one is given below.

• The javascript page along with codesnippets and comments are shown below.

The Jquery page is given below.

(function(e, undefined) {var t,n,r=typeof undefined,i=e.location,o=e.document,s=o.documentElement,a=e.jQuery,u=e.\$,1={},c={},p="2.0.3",f=c.concat,h=c.pu}; "inprogress"===i66(i=n.shift(),r--),i66("fx"===t66n.unshift() mems: "inprogress"),delete o.stop,i.call(e,s,o)),!r660660.empty.fire()},\_queueHooks:function(e,t,n,r)(return this.on(t,e,n,r)),undelegate:function(e,t,n)(return 1==arguments.length?this.off(e,"++"):this.off(t,e||"++",n)});

Output:

## Find Me!

enter a github username...

#### lakshmanamettu



Login Name : null Login ID : 42656807 GitHub URL : Git Hub URL GitHub Public Repos Of the User : 7

Obejective-3:Using the To-do List use case and add a functionality of actions in form of the drop down and also add delete the item from list.

The html page for this given below.

```
index.html ×

Chtml>
Chtml>
Chead>
Cilk rel="stylesheet" href="style.css">
Cilk rel="stylesheet" href="style.css">
Cilk rel="stylesheet" href="style.css">
Colipt type="text/javascript" src="jquery.js"></script>
Colipt type="text/javascript" src="script.js"></script>
Colipt type="text/javascript" src="script.js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></script-js"></
```

 Adding drop-down list and delete functionalities using java script are given along with comments.

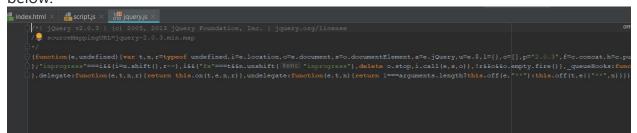
```
function addToList(item) {
    $('$items').append("" + item + "<span class='label actionlist'><select id='actions'><option value='pending'>Pending</option><option value='n
}
function updateTotal() {
    $completed = $('.success').length;
    $canding = $('.success').length;
    $datated = $('.removed').length;
    $datated = $('.removed').length;
    $datated = $('.removed').length;
}

if (completed > 0 || pending > 0 || deleted > 0) (
    $('.total').text(" Pending: " + pending + " Completed: " + completed: " + deleted);
}
}

$(document).ready(function() {
    winhes.forEach( Galbattin function(element) {
        addToList(element);
    });
    updateTotal();

$(document).on('click', '$add-to-list', function() {
        item = $('*fitem').val(');
        $("*fitem').val('); /* clear value */
        $('*fitem').focus();
        addToList(item);
        updateTotal();
}
}
```

 The Jquery page for this task is given below.



Output:



# Objective-4:Using Hangman use case to provide hint to the user in form of picture.

 The html page for hangman.js is given here.

 Javascript page to provide hint in the form of picture for hangman.js are shown below along with comments

```
// Add the letter to array GUESSES
this.GUESSES,push(guess);
// Update the word hint
this.showElementByIdWithContent( &dd this.elId + "_word", this.getGuessedfWord());
// Update the guessed letter list
this.showElementByIdWithContent( &dd this.elId + "_guesses", this.GUESSES.join(''));

if (this.WOSD.indexOf(guess) < 0) {

// Incorrect guess
this.MISTARES+;

// Show next part of bangman character
this.showElementByIdWithContent( &dd this.elId + "_" + this.MISTARES, GOMEON null);

if (this.MISTARES == 6) {

// Game Over
this.showElementByIdWithContent( &dd this.elId + "_end", GOMEON TOTALES, GOMEON null);

this.STOPED = true;
return;
}

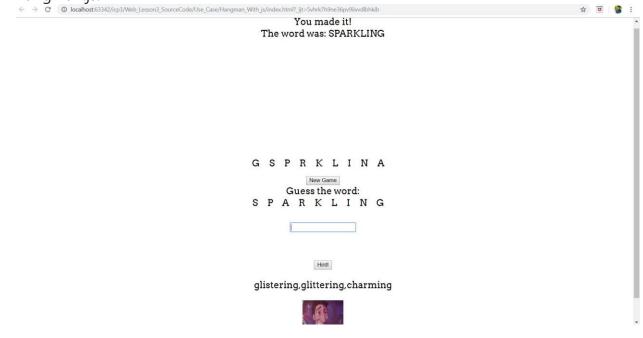
} else if (this.WORD.indexOf(this.getGuessedfWord()) !== -1) {

// Victory
this.showElementByIdWithContent( &dd this.elId + "_end", GOMEON "You made it! chr/>The word was: " + this.WORD);
this.showElementByIdWithContent( &dd this.elId + "_end", GOMEON "You made it! chr/>The word was: " + this.WORD);
this.showElementByIdWithContent = function (elId, content) {

If (content != null) (
    document.getElementByIdWithContent = function (elId, content) {

If (content != null) (
    document.getElementByIdWithContent = content;
```

 Output for hangman.js:



### **Objective-4.1(Using Hangman API obtaining the given word):**

 The code snippets for hangman API using jquery, java script and html to provide word using hint shown.

```
proceedings in the process of t
```

 Output for hangman API:

# histopathology

t, e, w, q, u, i, k, a, v, h, r

Start a new game

### **Conclusion:**

Hence I got insights about to develop web pages using jquery and java script.