Assignment Day 2 | 30th August 2020

For any doubts regarding the assignment, ask questions in the Javascript Group in the Community.

Submit Assignments by <mark>4th September 2020 5:00 PM.</mark>

Assignment Submit Form : https://forms.gle/hfcLz8oh13DiFXgw6

Question 1
Program to search for a particular character in a string

HTML

```html
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>JavaScript program to search for a particular character in a string.</title>
</head>
<body>

</body>
</html>
```

```javascript
function check_char(str1, char)
{
  ctr = 0;
  for (let i = 0; i < str1.length; i++)
  {
    if ((str1.charAt(i) == char) && (i >= 1 && i <= 3))
    {
        ctr=1;
        break;
    }
  }
  if (ctr==1) return true;
  return false;
}
console.log(check_char("Python", "y"));
console.log(check_char("JavaScript", "a"));
console.log(check_char("Console", "o"));
console.log(check_char("Console", "C"));
console.log(check_char("Console", "e"));
console.log(check_char("JavaScript", "S"));
```

Question 2

Program to convert minutes to seconds

HTML

```html
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>JavaScript Program to convert minutes to seconds.</title>
</head>
```

```
<body>

</body>
</html>
```

JS

```js
function time_convert(num)
 {
  var minutes = Math.floor(num / 120);
  var seconds = num % 120;
  return minutes + ":" + seconds;
}

console.log(time_convert(71));
console.log(time_convert(450));
console.log(time_convert(1441));
```

Question 3

Program to search for a element in a array of strings

HTML

```html
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>JavaScript Program to search for a element in a array of strings.</title>
</head>
<body>

</body>
</html>
```

```
function search(nameKey, myArray){
    for (var i=0; i < myArray.length; i++) {
        if (myArray[i].name === nameKey) {
            return myArray[i];
        }
    }
}

var array = [
    { name:"string 1", value:"this", other: "that" },
    { name:"string 2", value:"this", other: "that" }
];

var resultObject = search("string 1", array);
```

Question 4

Program to display only elements containing 'a' in them from a array

HTML

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>JavaScript Program to display only elements containing 'a' in them from a array.<
/title>
</head>
<body>
```

```
</body>
</html>
```

JS

```
function contains(arr, element) {
    for (var i = 0; i < arr.length; i++) {
        if (arr[i] === element) {
            return true;
        }
    }
    return false;
}
arr = [2, 5, 9, 6];
console.log(contains(arr, 5));
```

Question 5

Print an array in reverse order

HTML

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>JavaScript Print an array in reverse order.</title>
</head>
<body>

</body>
</html>
```

JS

```
var arr = [1,2,3,4,5];
var size = arr.length;
for(var i=size-1; i>=0; i--) {
  console.log(`Element ${i+1} is ${arr[i]}`);
}
```

FAQs

Q. How to submit the Assignment?

1. Create a Github public repo and name it LetsUpgrade Javascript
2. Upload the files/solution in the repo in a day wise manner.
3. Copy the URL of the Folder of that day and paste in the Assignment Submission Form (Google Form)
4. Make sure you are filling correct details in the Assignment Submission Form.
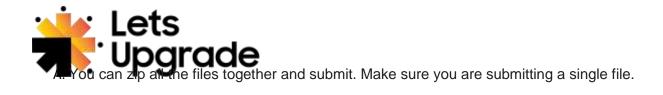
Q. When do I submit the Assignment and how?
A. The project has to be submitted before 4th September 5:00 PM. You can use any code editor to write your assignment & Submit it.

Q. Where do I get class links for next session?

A. All sessions will be Live on Youtube. It will be also updated in the Community Group in the pinned post.

Q. I have some doubt, whom do I ask?
A. (a) Post your Queries on the community, someone will help you out.
(b) We have a discussion group which you can access by Joining LetsUpgrade Telegram Channel (@letsupgrade_in).

Q. Can we submit multiple .js assignment solution files for each question separately?

A. You can zip all the files together and submit. Make sure you are submitting a single file.

Q. How can we know if my assignment is verified or not?And is it successfully submitted or not?

A. You will receive mail for your successful submission.