

LetsUpgrade
JavaScript Assignment
Day-5

Submitted by

Abhishek Sharma

Ques1. Write a program which does the following things:

- 1. Takes a positive number from the user.**
- 2. Makes an array of numbers till the number given by user**
- 3. Use higher order function to filter the odd numbers**
- 4. Generate and array of the cubes of the filtered numbers**

Ans <!DOCTYPE html>

<html>

<body>

<h2>User Input</h2>

<script>

let number=Number(prompt("Enter any number of you choice"));

if(number<1)

{

document.write("Invalid number");

}

```
let items=[];

if(number>1)

{

for(var start=0;start<number;start++)

{

items[start]=Number(prompt('Enter the number'));

}

}

function higher(items,number)

{

for(var start=0;start<number;start++)

{

var count =0;

if(items[start]%2==1)

{

items[count++]=items[start];

for(start=count;start<number;start++)

{

items[start];

}

}

}

}

higher(items,number);
```

```
for(var start=0;start<number;start++)  
  
{  
  
items[start]=items[start]*items[start]*items[start];  
  
document.write(items[start]+" ");  
  
}  
  
</script>  
  
</body>  
  
</html>
```

Ques2. Create a Class User with properties as name, age & email.

He can login and logout.

Create another class Moderator which has all the features of User, plus additional functionality to add coins and remove coins.

Create one more class Admin which has all the features of Moderator plus additional features like add a Course and delete a particular course for a user.

Ans DOCTYPE html

```
<html>  
  
<head>  
  
<title>LOGIN LOGOUT</title>  
  
</head>  
  
<body>  
  
<script>  
  
const userOne={  
  
name : 'Abhishek',  
  
age : '22',
```

```
email : 'abhi45@gmail.com',

login()

{

console.log("you have been logged in")

},

logout()

{

console.log("you have been logged out")

},

}

Console.log(userOne.age);

class user{

constructor(name, age, email){

this.name=name;

this.age=age;

this.email=email;

this.lucoins=0;

this.course=[];

}

Static greet(){

Console.log('this${name} Hello There));

return this;

}
```

```
login(){

console.log(`${this.name} have been logged in`);

return this;

}

logout(){

console.log(`${this.name} have been logged out`);

return this;

}

getDetails(){

console.log(`Name is ${this.name} `);

return this;

}

addcoins(){

this.lucoins++;

this.lucoins++;

this.lucoins++;

console.log(`${this.name} has ${this.lucoins} coins`);

}

removecoins(userOne,lucoins){

user.coins -=coin;

console.log(`${userOne} have ${lucoins}`);

return this;

}
```

```
}  
  
</script>  
  
</body>  
  
</html>
```

Ques3. Using promises/async await/fetch get the random todos from the json placeholder api. And log all the completed todos to the console.

Ans function fetchTodo()

```
{  
  
    fetch("https://jsonplaceholder.typicode.com/  
todos").then(response=>{ console.log(response)  
  
    return response.json() })  
  
    .then(data=>{  
  
        console.log(data);  
  
        for(let i=0;i<data.length;i++)  
  
        {  
  
            if(data[i].completed==true)  
  
            {  
  
                console.log(data[i]);  
  
            }  
  
        }  
  
    })  
  
    .catch(error=>console.log(error)) }  
  
fetchTodo();
```