Experiment No:-5 Date:-

Javascript

Course Name: Javascript

Module Name: Creating Arrays, Destructuring Arrays, Accessing Arrays,Array Methods

Create an array of objects having movie details. The object should includethe movie name, starring, language, and ratings. Render the details of movies on the page using the array.

Aim: To create an array of object having movie details.

Syntax:

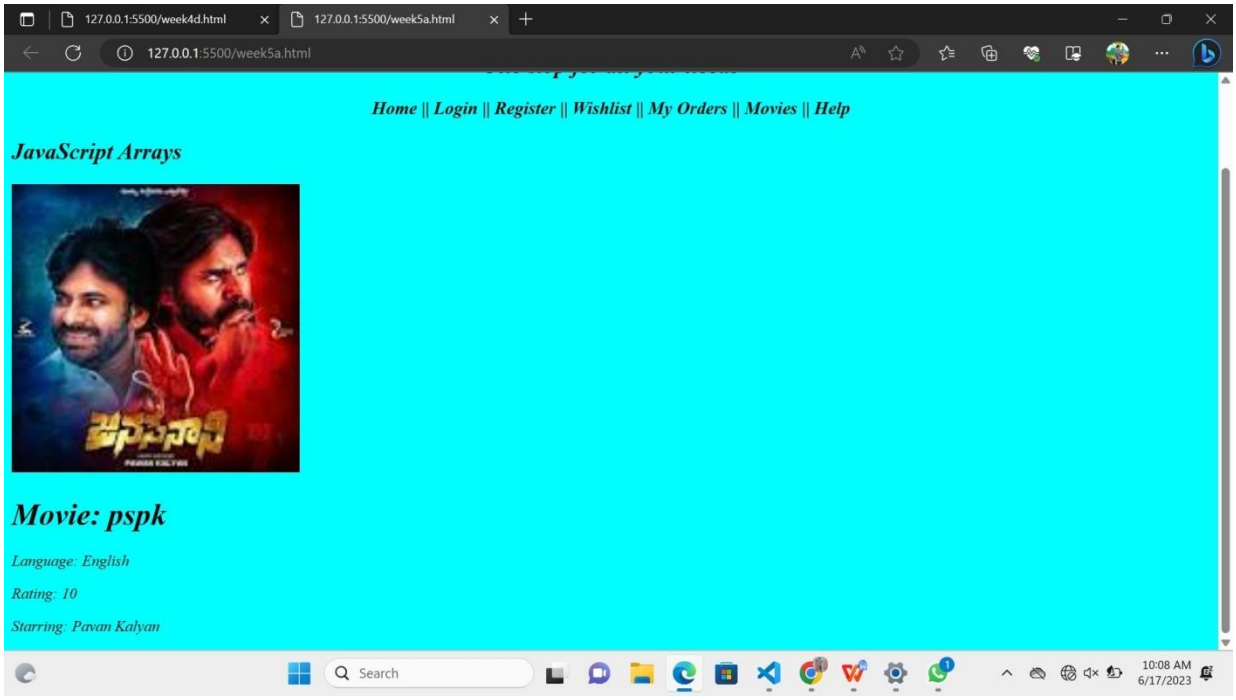
constarray_name = [item1, item2, ...];

Program:-

```
<!DOCTYPE html>
<html>
<body bgcolor="cyan">
<center><h1><i>ShopTime</i></h1>
<h2 align="center"><i>One stop for all your needs<i></h2>
<header>
<nav align="center"><h3>
                Home || Login || Register || Wishlist || My
Orders || Movies || Help</h3>
</nav>
</header></center>
<I><h2>JavaScript Arrays</h2></I>
<img src="images.jpg" width="300px" height="300px"></img>
<B><h1 id="demo1"></h1></B>
<p id="demo2"></p>
<p id="demo3"></p>
<p id="demo4"></p>
<script>const Movie = [ "pspk",
  "English",
  "10",
"Pavan Kalyan",
 ];
```

```
document.getElementById("demo1").innerHTML = "Movie: "+Movie[0];
document.getElementById("demo2").innerHTML = "Language: "+Movie[1];
document.getElementById("demo3").innerHTML = "Rating: "+Movie[2];
document.getElementById("demo4").innerHTML = "Starring: "+Movie[3];
</script>
</body>
</html>
```

Output:-



Exp No : 5.b Date :

Course Name: Javascript

Module Name:Introduction to AsynchronousProgramming, Callbacks, Promises, Async and Await, Executing NetworkRequests using Fetch API

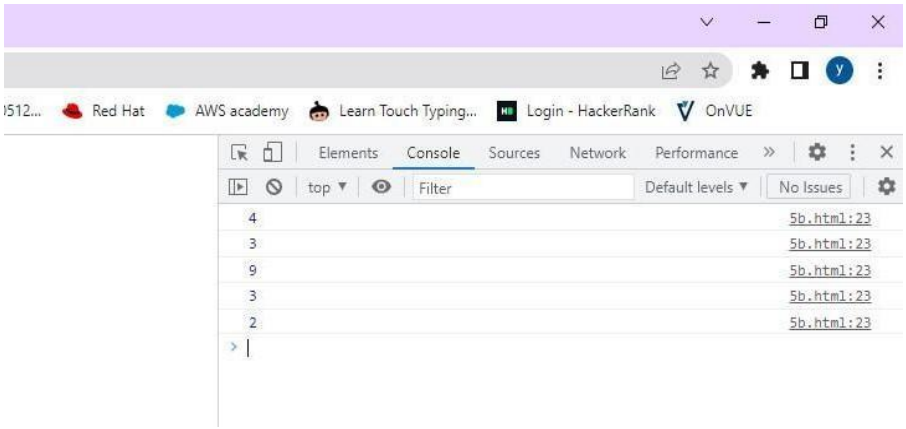
Simulate a periodic stock price change and display on the console. Hints:
(i) Create a method which returns a random number - use Math.random,floor and other methods to return a rounded value.
(ii) Invoke the method for every three seconds and stop when the count is5 – use the setInterval method.
(iii) Since setInterval is an async method, enclose the code in a Promiseand handle the response generated in a success callback.
(iv) The random value returned from the method every time can be usedas a stock price and displayed on the console.
Aim:To stimulate a periodic stock price change and display on the console.

Program:-

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible"
content="IE=edge"><meta name="viewport"
content="width=device-width, initialscale=1.0">
<title>Exp__5b</title>
</head>
<body>
<script>
let c=0;
conststock=setInterval(stokc,3000);
function stokc(){
var myPromise = new Promise(function (resolve, reject)
{
   setTimeout(function ()
{
var a=Math.floor(Math.random() * 10);
          resolve(a);
   },
   3000);
```

```
});
myPromise.then( fun
        ction (data)
    {
            console.log(data);
},
        function (error)
            { console.log(error);
     }
);
c+=1;
 if(c==5)
{
Stop();
}
}
function Stop() {
        clearInterval(stock);
}
    </script>
</body>
</html>
```

Output:-



Exp No : 5.c Date :

Course Name: Javascript

Module Name: Creating Modules, Consuming Modules

Validate the user by creating alogin module.

Hints: (i) Create a file login.js with a User class.

(ii) Create a validate method with username and password as arguments. (iii) If the username and password are equal it will return “Login Successful” else will return”Unauthorized access”.

(iv) Create an validateUser.html file with textboxes username and password and asubmit button.

(v) Add a script tag in HTML to include validateUser.js file.

(vi) Create an validateUser.js file which imports login module and invokes validate method of User class.

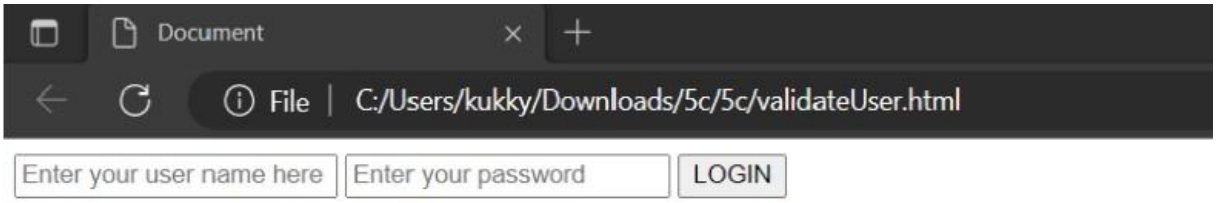
(vii) On submit of the button in HTML the validate method of the User class should be invoked.

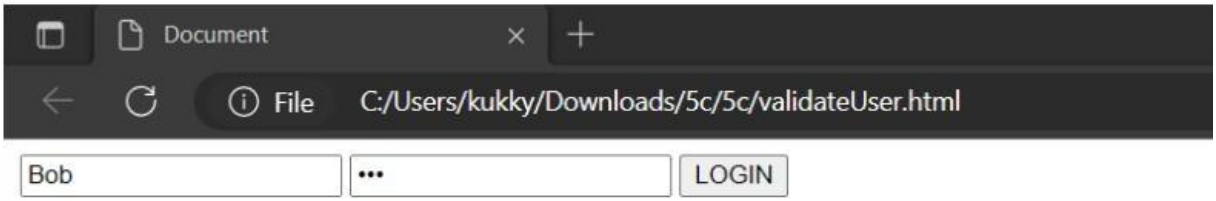
(viii) Implement the validate method to send the username and passworddetails entered by the user and capture the return value to display in the alert.

Program:-

```
<!DOCTYPE html>
<html lang = “en”>
<head>
<meta charset=”UTF-8/>
<meta http-euiv=”X-UA-Compatible” content=”IE=edge”/>
<meta name = “viewname” content=”width = device-width, initial-scale=1.0”/>
<title>Document</title>
</head>
<body>
<input type = “text” name=”name” id=”name” placeholder=”Enter your user name here”/>
<input type = “password” name=”pass” id=”password” placeholder=”Enter your password”/>
<button type = “submit” id =”btn”> LOGIN</button>
<script src = “validateUser.js” type=”module”></script>
< script src = “login.js” type=”module”></script>
</body>
</html>
```

Output:-


Document
File
C:/Users/kukky/Downloads/5c/5c/validateUser.html
Enter your user name here
Enter your password
LOGIN


Document
File
C:/Users/kukky/Downloads/5c/5c/validateUser.html
Bob
LOGIN