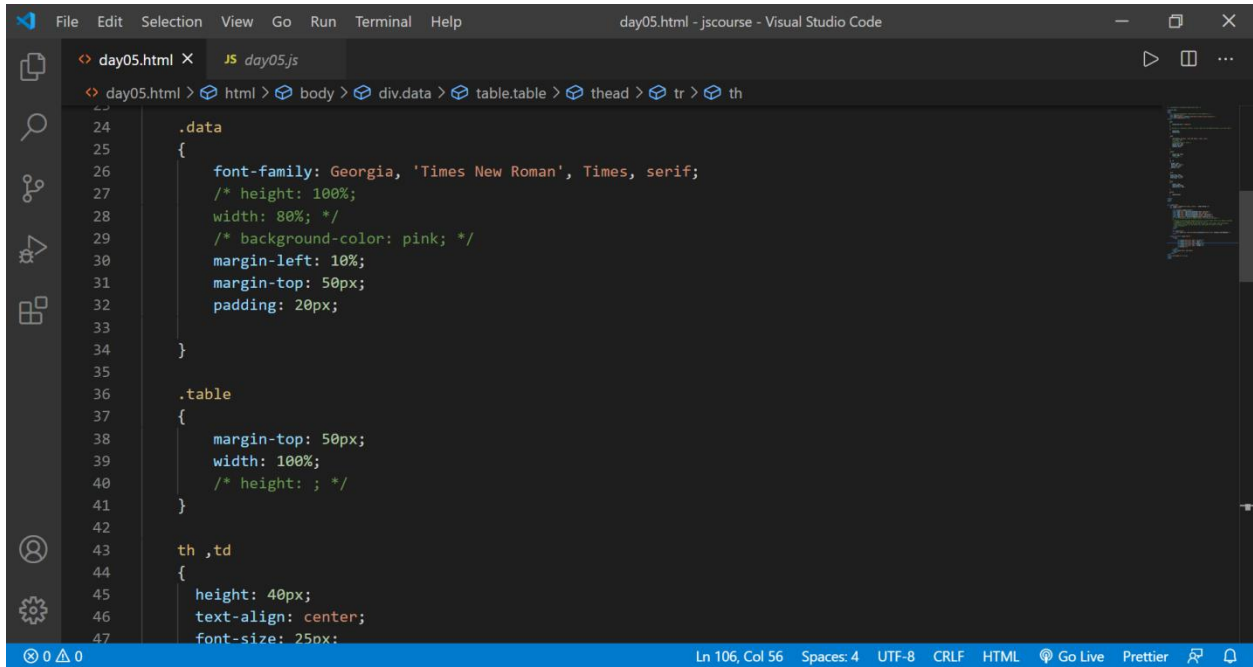


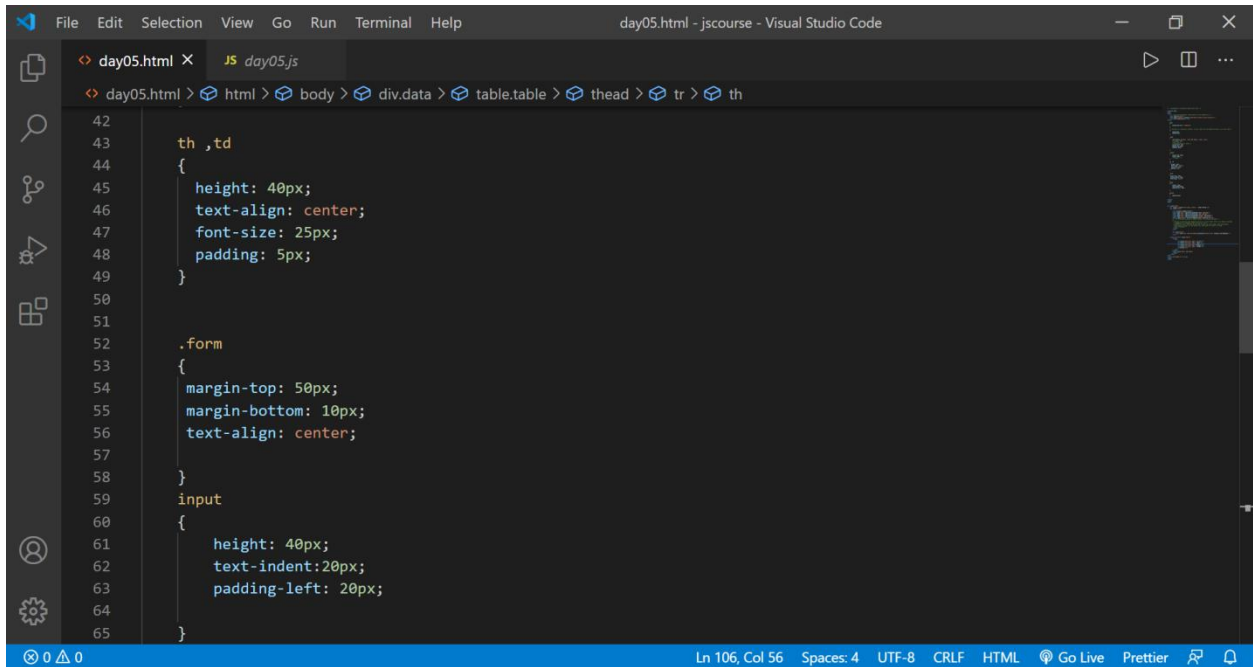
## Day -05 Javascript Essential by Letsupgrade

### Html css and js code



```
File Edit Selection View Go Run Terminal Help day05.html - jscourse - Visual Studio Code
day05.html > JS day05.js
day05.html > html > body > div.data > table.table > thead > tr > th

24 .data
25 {
26     font-family: Georgia, 'Times New Roman', Times, serif;
27     /* height: 100%;
28     width: 80%; */
29     /* background-color: pink; */
30     margin-left: 10%;
31     margin-top: 50px;
32     padding: 20px;
33 }
34
35
36 .table
37 {
38     margin-top: 50px;
39     width: 100%;
40     /* height: ; */
41 }
42
43 th ,td
44 {
45     height: 40px;
46     text-align: center;
47     font-size: 25px;
```



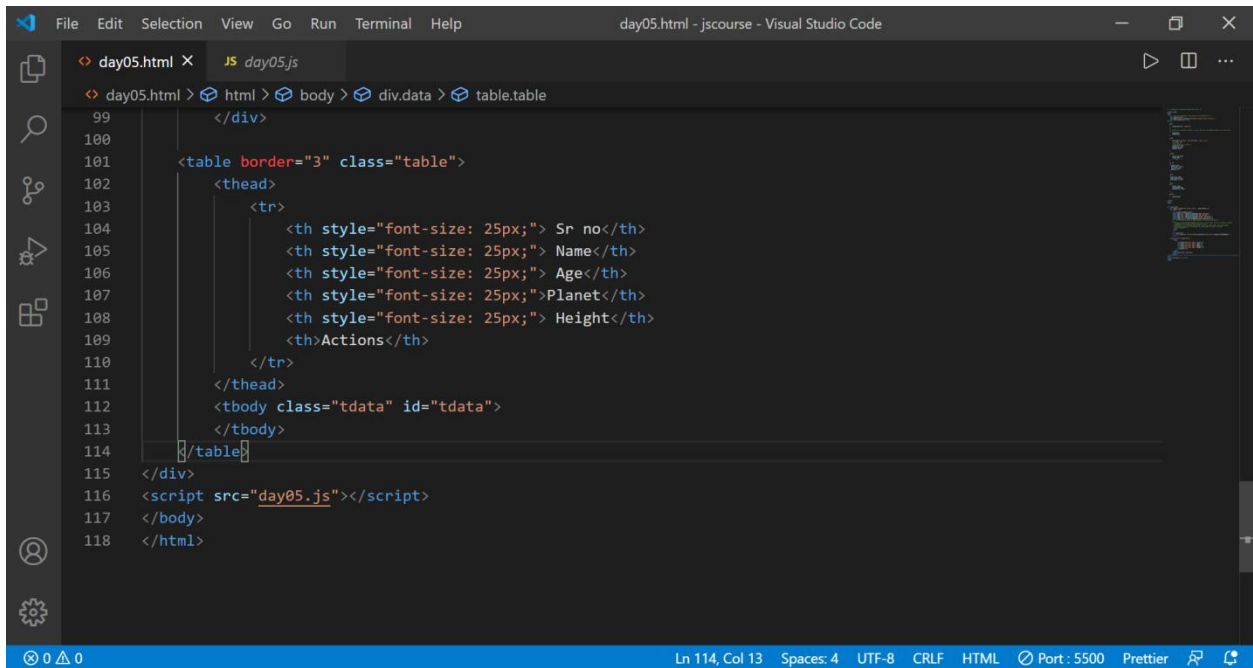
```
File Edit Selection View Go Run Terminal Help day05.html - jscourse - Visual Studio Code
day05.html > JS day05.js
day05.html > html > body > div.data > table.table > thead > tr > th

42 th ,td
43 {
44     height: 40px;
45     text-align: center;
46     font-size: 25px;
47     padding: 5px;
48 }
49
50
51
52 .form
53 {
54     margin-top: 50px;
55     margin-bottom: 10px;
56     text-align: center;
57 }
58
59 input
60 {
61     height: 40px;
62     text-indent: 20px;
63     padding-left: 20px;
64 }
65
```

```
65 }
66
67     button
68     {
69         padding:10px;
70     }
71 }
72 </style>
73 </head>
74 <body>
75
76
77 <div class="data">
78     <h1 class="" style="text-align: center;" > Super Heroes</h1>
79     <div class="form">
80
81         <form onsubmit="addhero(event)">
82             <input type="text" required placeholder="Name" id="name"/>
83             <input type="text" required placeholder="Age" id="age"/>
84             <input type="text" required placeholder="Planet" id="planet"/>
85             <input type="text" required placeholder="Height" id="height"/>
86             <button type="submit" onclick="addhero(event)">Add hero</button>
87             <!-- The By Default activity of submit button is to refresh the page -->
88             <!--
```

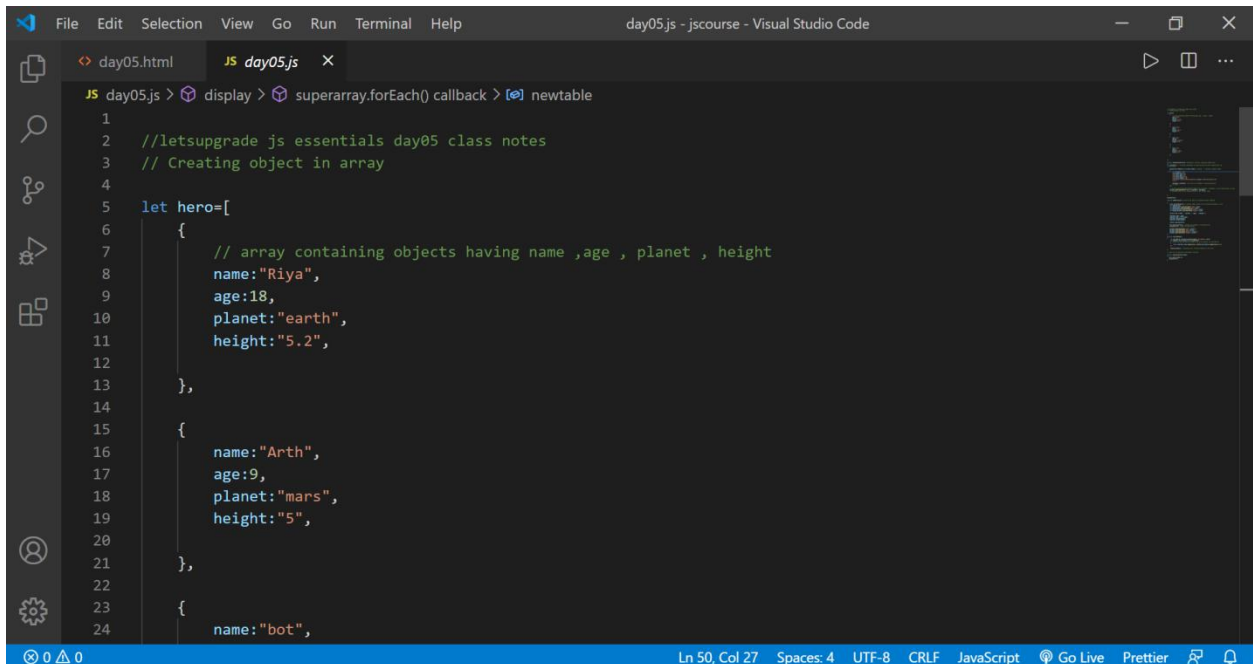
All important points are highlighted as a comment in the code

```
87 <!-- The By Default activity of submit button is to refresh the page -->
88 <!--
89 ~ whenever we perform event handelling there is a event object which is by default availabe
90 ~ it depends on us whether we want to use it or not
91 ~ whenever we call a function we just have to pass the event object under paranthesis
92 ~ event object contains all the details for that event for which it is used
93 ~ child of window -->
94 </form>
95 </div>
96
97 <div class="form">
98     <input type="text" id="searchName"placeholder="Search here" onkeyup="searchByname()"/>
99 </div>
100
101 <table border="3" class="table">
102     <thead>
103         <tr>
104             <th style="font-size: 25px;"> Sr no</th>
105             <th style="font-size: 25px;"> Name</th>
106             <th style="font-size: 25px;"> Age</th>
107             <th style="font-size: 25px;"> Planet</th>
108             <th style="font-size: 25px;"> Height</th>
109             <th>Actions</th>
110         </tr>
```



```
100 </div>
101 <table border="3" class="table">
102   <thead>
103     <tr>
104       <th style="font-size: 25px;"> Sr no</th>
105       <th style="font-size: 25px;"> Name</th>
106       <th style="font-size: 25px;"> Age</th>
107       <th style="font-size: 25px;"> Planet</th>
108       <th style="font-size: 25px;"> Height</th>
109       <th>Actions</th>
110     </tr>
111   </thead>
112   <tbody class="tdata" id="tdata">
113   </tbody>
114 </table>
115 </div>
116 <script src="day05.js"></script>
117 </body>
118 </html>
```

## Javascript code



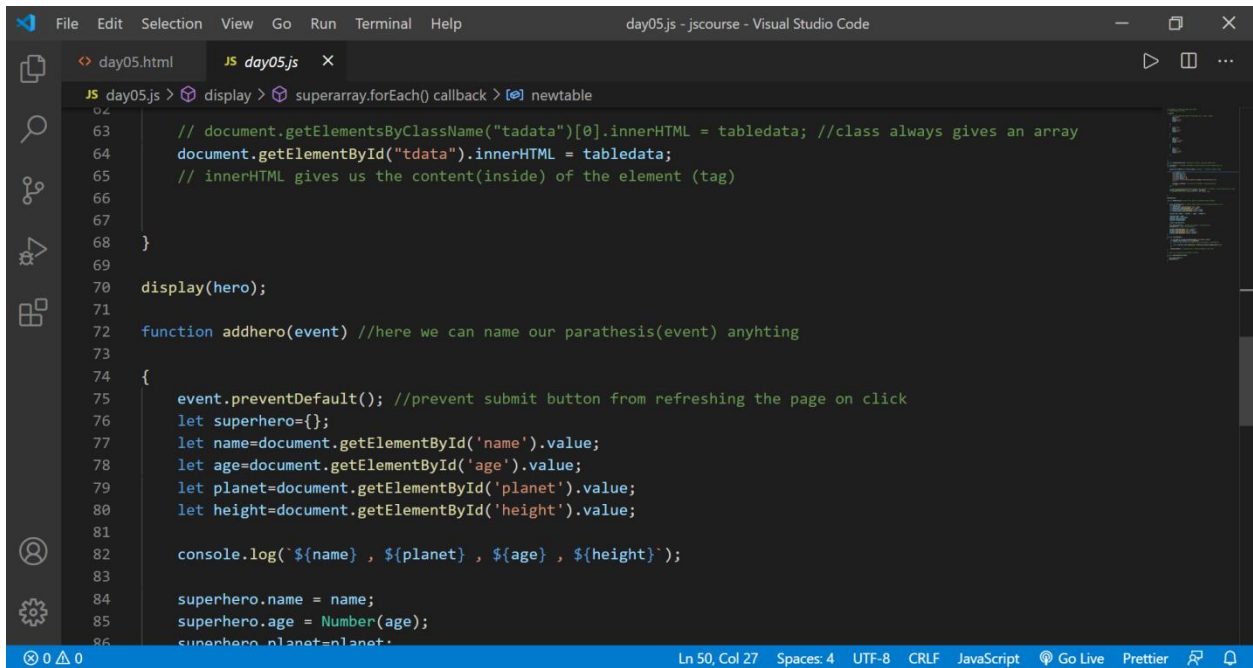
```
1
2 //letsupgrade js essentials day05 class notes
3 // Creating object in array
4
5 let hero=[
6   {
7     // array containing objects having name ,age , planet , height
8     name:"Riya",
9     age:18,
10    planet:"earth",
11    height:"5.2",
12  },
13
14  {
15    name:"Arth",
16    age:9,
17    planet:"mars",
18    height:"5",
19  },
20
21 ],
22
23 {
24   name:"bot",
```

```
JS day05.js > display > superarray.forEach() callback > newtable
22
23 {
24   name:"bot",
25   age:30,
26   planet:"jupiter",
27   height:"7.2",
28 },
29
30
31 {
32   name:"lol",
33   age:14,
34   planet:"venus",
35   height:"6.2",
36 },
37
38
39
40
41 };
42
43 function display(superarray) //defining a function (creating a dummy html)
44 {
45   let tabledata=""; //avoiding replacement of table data by one after another(new) row
46 }
```

Ln 50, Col 27 Spaces: 4 UTF-8 CRLF JavaScript Go Live Prettier

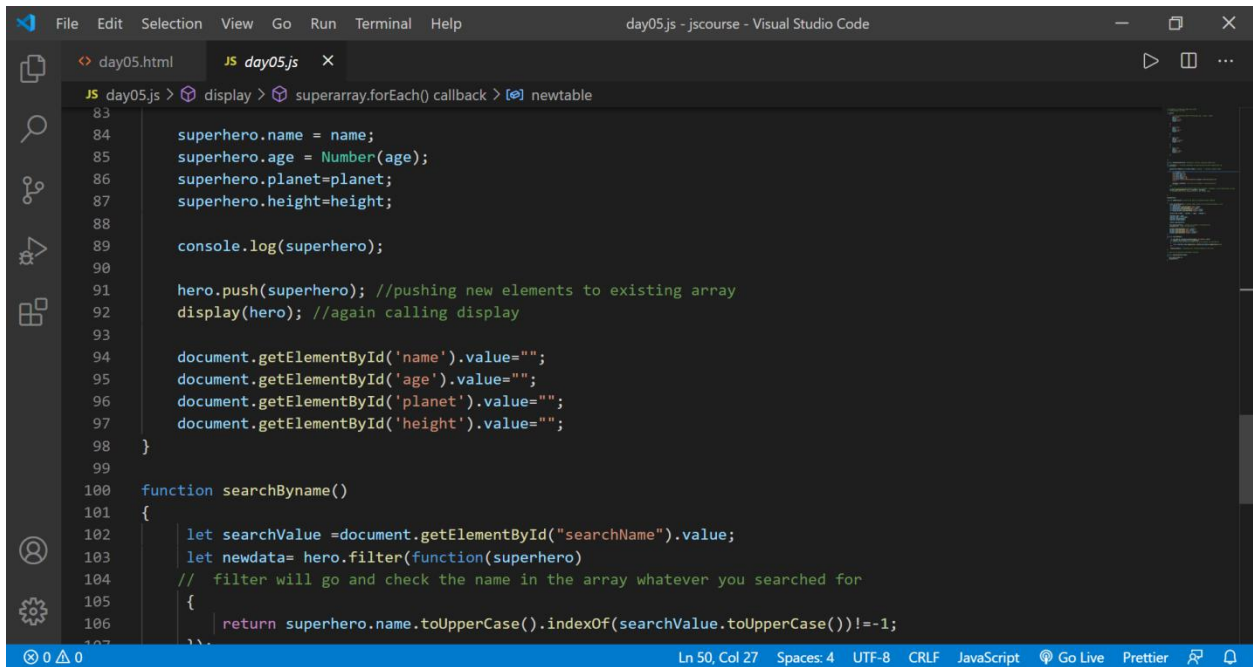
```
JS day05.js > display > superarray.forEach() callback > newtable
42
43 function display(superarray) //defining a function (creating a dummy html)
44 {
45   let tabledata=""; //avoiding replacement of table data by one after another(new) row
46   // let srno=1;
47
48   superarray.forEach(function(hero,index) //looping ,( creating a dynamic table)
49   {
50     let newtable=`<tr>
51       <td>${index+1}</td>
52       <td>${hero.name}</td>
53       <td>${hero.age}</td>
54       <td>${hero.planet}</td>
55       <td>${hero.height}</td>
56       <td><button onclick="deletesuperhero(${index})">Delete</button></td>
57     </tr>`;
58
59     tabledata +=newtable; //new row will be added to existing data(row)
60     // srno++;
61   });
62
63   // document.getElementsByClassName("tadata")[0].innerHTML = tabledata; //class always gives an array
64   document.getElementById("tdata").innerHTML = tabledata;
65   // innerHTML gives us the content(inside) of the element (tag)
```

Ln 50, Col 27 Spaces: 4 UTF-8 CRLF JavaScript Go Live Prettier



The screenshot shows the Visual Studio Code editor with a file named `day05.js` open. The code is written in JavaScript and includes comments in green. The code defines a `display` function that takes a `hero` object and updates the DOM. It also defines an `addhero` function that prevents the default form submission, collects input values for name, age, planet, and height, logs them to the console, and updates the `superhero` object. The status bar at the bottom indicates the cursor is at line 50, column 27.

```
JS day05.js > display > superarray.forEach() callback > [0] newtable
63 // document.getElementsByClassName("tadata")[0].innerHTML = tabledata; //class always gives an array
64 document.getElementById("tdata").innerHTML = tabledata;
65 // innerHTML gives us the content(inside) of the element (tag)
66
67
68 }
69
70 display(hero);
71
72 function addhero(event) //here we can name our parathesis(event) anything
73 {
74
75     event.preventDefault(); //prevent submit button from refreshing the page on click
76     let superhero={};
77     let name=document.getElementById('name').value;
78     let age=document.getElementById('age').value;
79     let planet=document.getElementById('planet').value;
80     let height=document.getElementById('height').value;
81
82     console.log(`${name} , ${planet} , ${age} , ${height}`);
83
84     superhero.name = name;
85     superhero.age = Number(age);
86     superhero.planet=planet;
```



The screenshot shows the Visual Studio Code editor with the same `day05.js` file. The code continues from the previous snippet, defining a `searchByname` function. This function takes a search value, filters the `hero` array based on the search value, and updates the input fields. The status bar at the bottom indicates the cursor is at line 50, column 27.

```
83
84     superhero.name = name;
85     superhero.age = Number(age);
86     superhero.planet=planet;
87     superhero.height=height;
88
89     console.log(superhero);
90
91     hero.push(superhero); //pushing new elements to existing array
92     display(hero); //again calling display
93
94     document.getElementById('name').value="";
95     document.getElementById('age').value="";
96     document.getElementById('planet').value="";
97     document.getElementById('height').value="";
98 }
99
100 function searchByname()
101 {
102     let searchValue =document.getElementById("searchName").value;
103     let newdata= hero.filter(function(superhero)
104     // filter will go and check the name in the array whatever you searched for
105     {
106         return superhero.name.toUpperCase().indexOf(searchValue.toUpperCase())!=-1;
107     })
108 }
```

```
File Edit Selection View Go Run Terminal Help day05.js - js course - Visual Studio Code
day05.html JS day05.js x
JS day05.js > display > superarray.forEach() callback > newtable
98 }
99
100 function searchByName()
101 {
102     let searchValue = document.getElementById("searchName").value;
103     let newData = hero.filter(function(superhero)
104     // filter will go and check the name in the array whatever you searched for
105     {
106         return superhero.name.toUpperCase().indexOf(searchValue.toUpperCase()) != -1;
107     });
108
109     display(newData); // displaying only filtered elements of the array
110 }
111
112 // These all are basically the Dynamic functions
113
114 function deletesuperhero(index)
115 {
116     hero.splice(index, 1);
117     display(hero);
118 }
119
120
121
```

Crud application x +

127.0.0.1:5500/day05.html

Super Heroes

Sr no	Age	Name	Planet	Height	Actions
1	Riya	18	earth	5.2	<input type="button" value="Delete"/>
2	Arth	9	mars	5	<input type="button" value="Delete"/>
3	bot	30	jupiter	7.2	<input type="button" value="Delete"/>
4	lol	14	venus	6.2	<input type="button" value="Delete"/>