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Question 1

Create a array containing five objects with properties { name, age , city , salary }

- A. Display all the objects in a table
- B. Create a search functionality for name and city
- C. Delete button to delete records

Q1 HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <style>
    * {
      margin: 0px;
      padding: 0px;
    }

    .tablebg {
      font-family: Cambria,Cochin,serif;
      margin-top: 5%;
      height: 10%;
      width: 70%;
      margin-left: 15%;
      margin-right: 15%;
      background-color: bisque;
      padding-bottom: 10%;
    }

    .tble {
      width: 80%;
      margin-left: 10%;
      margin-top: 0.5%;
      height: 100%;
    }
    h1{
      margin-top:5%;
      text-align: center;
      font-family:sans-serif;
    }

    td,th{
      height: 100%;
      width:0%;
      text-align: center;
      padding: 1%;
    }
```

```

.ins-data{
    height: 40%;
    width: 80%;
    margin-left: 10%;
    margin-top: 0.5%;
    margin-bottom: 2%;
}
input {
    padding:0.7%;
    height: 40%px;
    width: 100px;

}

.ins_btn{
    height: 60%px;
    width: 12%;
    padding: 0.7%;

}
.del_btn{
    height: 100%px;
    width: 100%;

}

}
.searchele {
    font-family: Cambria,Cochin,serif;
    margin-left: 10%;
    height: 40%;
}

```

```

</style>

```

```

</head>

```

```

<body>

```

```

    <h1>Hiitam Hiring service!</h1>

```

```

<div class='tablebg'>

```

```

    <h1 >Targets</h1>

```

```

    <div class="ins-data">

```

```

        <form onsubmit="insert(event)">

```

```

            <input required type="text" placeholder="Name" id="ins-name" />

```

```

            <input required type="number" placeholder="Age" id="ins-age" />

```

```

            <input required type="text" placeholder="City" id="ins-city" />

```

```

            <input required type="number" placeholder="salary" id="ins-salary" />

```

```

            <button class="ins_btn" required type="submit" onclick='insert(event)'>Add Target</button>

```

```

        </form>

```

</div>

<div class="searchele">

<input type="text" placeholder="search here!" onkeyup="search()" id="searching">

</div>

<table border="1" class='tble' cellspacing=0>

<thead>

<tr>

<th>Sl.No</th>

<th>Name</th>

<th>Age</th>

<th>City</th>

<th>Salary</th>

<th>operation</th>

</tr>

</thead>

<tbody id="tablerows">

<tr >

<td>1</td>

<td>agastya</td>

<td>19</td>

<td>Hyderabad</td>

<td>20k</td>

</tr>

</tbody>

</table>

</div>

<script src='q1.js'></script>

</body>

</html>

Q1-JS

```
let targets=[{
  name:'reyansh',
  age :20,
  city : 'banglore',
  salary : 20000,
},
{
  name: 'sundeep',
  age : 20,
  city : 'delhi',
  salary : 50000,
},
{
  name: 'davinci',
  age : 20,
  city : 'chennai',
  salary : 75000,
},
{
  name: 'enigma',
  age : 20,
  city : 'kerla',
  salary : 60000,
}];

function display(targets){
  let target_data="";
  let c=1;

  targets.forEach(function(element,index){
    let presetrow=`<tr>
      <td>${c}</td>
      <td>${element.name}</td>
      <td>${element.age}</td>
      <td>${element.city}</td>
      <td>${element.salary}</td>
      <td><button onclick="delete_ele(${index})" class="del_btn">delete</button></td>`;

    target_data+=presetrow;

    c++;
  });
  document.getElementById('tablerows').innerHTML = target_data;
};
```

```

function insert(e){
    e.preventDefault()
    let target={};
    let ins_name=document.getElementById("ins-name").value;
    let ins_age = document.getElementById("ins-age").value;
    let ins_city = document.getElementById("ins-city").value;
    let ins_salary= document.getElementById("ins-salary").value;
    target.name=ins_name;
    target.age = Number(ins_age);
    target.city = ins_city;
    target.salary =Number(ins_salary);
    console.log(ins_salary);

    targets.push(target);
    display(targets);
return false;
}

```

```

display(targets);

```

```

function search()
{
    let ser_ele= document.getElementById("searching").value;
    let ser_res_arr=targets.filter(function(targets){
        if (targets.name.indexOf(ser_ele) != -1)
        {
            return targets.name.indexOf(ser_ele) != -1;
        }
        else if (targets.city.indexOf(ser_ele) != -1){
            return targets.city.indexOf(ser_ele) != -1;
        }
    });
}

```

```

display(ser_res_arr);

```

```

}

```

```

function delete_ele(index){
    console.log(index);
    targets.splice(index,1);
    display(targets);
}

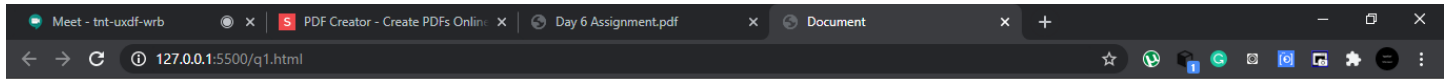
```

```

}

```

Q1-Output



Hiitam Hiring service!

Targets

Sl.No	Name	Age	City	Salary	operation
1	reyansh	20	banglore	20000	<input type="button" value="delete"/>
2	sundeeep	20	delhi	50000	<input type="button" value="delete"/>
3	davinci	20	chennai	75000	<input type="button" value="delete"/>
4	enigma	20	kerla	60000	<input type="button" value="delete"/>



Question 2

Create a blank array and later on create a add bus functionality bus object contains {name, source, destination, number, passenger capacity}

- A. A form to add new bus
- B. Display data in table format
- C. Search by source and destination
- D. Data should be stored permanently in localStorage

Q2-HTML

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <style>
    * {
      margin: 0px;
      padding: 0px;
    }

    .tablebg {
      font-family: Cambria, Cochin, serif;
      margin-top: 5%;
      height: 10%;
      width: 80%;
      margin-left: 10%;
      margin-right: 10%;
      background-color: bisque;
      padding-bottom: 10%;
    }

    .tble {
      width: 80%;
      margin-left: 10%;
      margin-top: 0.5%;
      height: 100%;
    }

    h1 {
      margin-top: 5%;
      text-align: center;
      font-family: sans-serif;
    }

    th,
    td {
      height: 100%;

      text-align: center;
      padding: 0.5%;
    }

    .ins-data {
      height: 40%;
      width: 80%;
      margin-left: 10%;
      margin-top: 0.5%;
      margin-bottom: 2%;
    }
  </style>

```

```

input {
    padding: 0.7%;
    height: 40%px;
    width: 100px;

}

.ins_btn {
    height: 60%px;
    width: 12%;
    padding: 0.7%;

}

.del_btn {
    height: 100%px;
    width: 100%;
}

.searchele {
    font-family: Cambria, Cochin, serif;
    margin-left: 10%;
    height: 40%;
}
</style>
</head>

<body>
<h1>Bus Managment System!</h1>

<div class='tablebg'>
<h1>buses</h1>
<div class="ins-data">

    <form onsubmit="insert(event)">
    <input required type="text" placeholder="Name" id="ins-name" />
    <input required type="text" placeholder="Source" id="ins-source" />
    <input required type="text" placeholder="Destination" id="ins-dest" />
    <input required type="number" placeholder=" bus Number" id="ins-number"/>
    <input required type="number" placeholder="passenger capacity" id="ins-passcap" />
    <button class="ins_btn" required >Add Bus</button>
    </form>

</div>

<div class="searchele">
    <input type="text" placeholder="search here!" onkeyup="search()" id="searching">
</div>
<table border="1" class='tble' cellspacing=0>
    <thead>
        <tr>
            <th >Slno</th>
            <th>Name</th>
            <th>Source</th>
            <th>Destination</th>
            <th>Bus number</th>
            <th>Passenger capacity</th>
            <th>operation</th>
        </tr>
    </thead>
    <tbody id="tablerows">

        </tbody>
    </table>
</div>
<script src='q2.js'></script>
</body>

</html>

```


Q2 -JS

```
window.onload=function(){
    let buses = [];

    if(localStorage.getItem("buses")==null){
        let stringbuses=JSON.stringify(buses);

        console.log(stringbuses);
        localStorage.setItem("buses", buses);
    }
};

function display(bus_data=undefined) {
    let resbuses;
    let samplearray="";
    if(bus_data==undefined){
        resbuses=JSON.parse(localStorage.getItem("buses"));
    }
    else{
        resbuses = bus_data;
    }

    resbuses.forEach(function(element, index) {
        let presetrow = `
        <tr>
        <td>${index+1}</td>
        <td>${element.name}</td>
        <td>${element.source}</td>
        <td>${element.destination}</td>
        <td>${element.number}</td>
        <td>${element.passengerCapacity}</td>
        <td><button onclick="delete_ele(${index})" class="del_btn">delete</button>
        </td>
        </tr>`;
        samplearray+=(presetrow);

    });

    console.log(typeof(resbuses));
    document.getElementById('tablerows').innerHTML = samplearray;
}

function insert(e) {
    e.preventDefault()
    let bus = {};
    let ins_name = document.getElementById("ins-name").value;
    let ins_source = document.getElementById("ins-source").value;
    let ins_dest = document.getElementById("ins-dest").value;
    let ins_number = document.getElementById("ins-number").value;
    let ins_passcap = document.getElementById("ins-passcap").value;

    bus.name = ins_name;
    bus.source=ins_source;
    bus.destination=ins_dest;
    bus.number=ins_number;
    bus.passengerCapacity=ins_passcap;

    let retbus=JSON.parse(localStorage.getItem("buses"));
    retbus.push(bus);
    strtbuses=JSON.stringify(retbus);
    localStorage.setItem("buses",strtbuses);
}
```

```
let retbus1 = JSON.parse(localStorage.getItem("buses"));
display(retbus1);
```

```
    return false;
}
```

```
display();
```

```
function search() {
    let ser_ele = document.getElementById("searching").value;
```

```
    let arrbus= JSON.parse(localStorage.getItem("buses"));
```

```
    let bus_arr = arrbus.filter(function (element) {
        if (element.source.indexOf(ser_ele) != -1) {
            return element.source.indexOf(ser_ele) != -1;
        }
        else if (element.destination.indexOf(ser_ele) != -1) {
            return element.destination.indexOf(ser_ele) != -1;
        }
    });
```

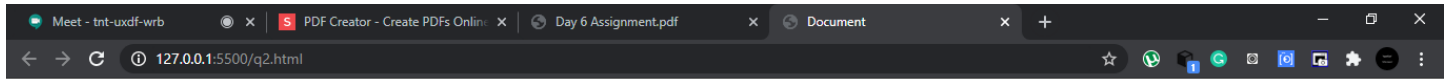
```
    })
    display(bus_arr);
```

```
}
```

```
function delete_ele(index){
    let rtbuses1 = JSON.parse(localStorage.getItem("buses"));
    rtbuses1.splice(index, 1);
    display(rtbuses1);
    localStorage.setItem("buses", JSON.stringify(rtbuses1));
```

```
}
```

Q2 Output



Bus Managment System!

buses

Sno	Name	Source	Destination	Bus number	Passenger capacity	operation
1	bus1	hyderabad	delhi	1243	60	<input type="button" value="delete"/>
2	bus2	banglore	chennai	7995	100	<input type="button" value="delete"/>

My git Repo :)

https://github.com/Agastya8/LetsUpgrade_JavaScript.git