

Coding Exercise

JavaScript

1. Create an UserList.html page in a web application. Create a table and make a call to the following url to get the data. After receiving the data display it in the UserList.html page. Use JavaScript to fetch and populate the data.

<https://fakerestapi.azurewebsites.net/api/Users>

html:

```
<!DOCTYPE html>
<!--[if lt IE 7]>      <html class="no-js lt-ie9 lt-ie8 lt-ie7"> <![endif]-->
<!--[if IE 7]>         <html class="no-js lt-ie9 lt-ie8"> <![endif]-->
<!--[if IE 8]>         <html class="no-js lt-ie9"> <![endif]-->
<!--[if gt IE 8]>      <html class="no-js"> <!--<![endif]-->
<html>
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title></title>
    <meta name="description" content="">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="">
  </head>
  <body>
    <div class = "container">
      <input type="button" class="btn_primary" value="Show Posts"/>
      <table>
        <thead>
          <tr>
            <th>Id</th>
            <th>Title</th>
            <th>Body</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td></td>
            <td></td>
            <td></td>
          </tr>
        </tbody>
      </table>
    </div>
    <script src="./js_hw1.js" type="module"></script>
  </body>
</html>
```

Js:

```
function getPosts() {
```

```

let p1 = fetch("https://fakerestapi.azurewebsites.net/api/Users").then(function
(response) {
    return response.json();
})
p1.then(function (data) {

    let length = data.length
    let tbody = document.querySelector("tbody")
    tbody.innerHTML = "";
    for (let i = 0; i < length; i++) {
        let tr =
`<tr><td>${data[i].id}</td><td>${data[i].title}</td><td>${data[i].body}</td></tr>`
        tbody.innerHTML = tbody.innerHTML + tr;
    }
})
}

```

2. Create an Books.html page in a web application. Create a table and make a call to the following url to get the data. After receiving the data display it in the Books.html page. Use JavaScript to fetch and populate the data.

<https://fakerestapi.azurewebsites.net/api/Books>

html

```

<!DOCTYPE html>
<!--[if lt IE 7]>      <html class="no-js lt-ie9 lt-ie8 lt-ie7"> <![endif]-->
<!--[if IE 7]>        <html class="no-js lt-ie9 lt-ie8"> <![endif]-->
<!--[if IE 8]>        <html class="no-js lt-ie9"> <![endif]-->
<!--[if gt IE 8]>     <html class="no-js"> <!--<![endif]-->
<html>
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title></title>
    <meta name="description" content="">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="">
  </head>
  <body>
    <div class = "container">
      <input type="button" class="btn_primary" value="Show Posts"/>
      <table>
        <thead>
          <tr>
            <th>Name</th>
            <th>Title</th>
            <th>Discription</th>
          </tr>
        </thead>

```

```

        <tbody>

        </tbody>
    </table>
</div>

<script src="./js_hw1.js" type="module"></script>
</body>
</html>

```

Js:

```

function getPosts() {
    let p1 = fetch("https://fakerestapi.azurewebsites.net/api/Books").then(function
(response) {
        return response.json();
    })
    p1.then(function (data) {

        let length = data.length
        let tbody = document.querySelector("tbody")
        tbody.innerHTML = "";
        for (let i = 0; i < length; i++) {
            let tr =
`<tr><td>${data[i].id}</td><td>${data[i].title}</td><td>${data[i].body}</td></tr>`
            tbody.innerHTML = tbody.innerHTML + tr;
        }
    })
}

```

3. Create an Authors.html page in a web application. Create a table and make a call to the following url to get the data. After receiving the data display it in the Authors.html page. Use JavaScript to fetch and populate the data.

<https://fakerestapi.azurewebsites.net/api/Authors>

html

```

<!DOCTYPE html>
<!--[if lt IE 7]>    <html class="no-js lt-ie9 lt-ie8 lt-ie7"> <![endif]-->
<!--[if IE 7]>      <html class="no-js lt-ie9 lt-ie8"> <![endif]-->
<!--[if IE 8]>      <html class="no-js lt-ie9"> <![endif]-->
<!--[if gt IE 8]>   <html class="no-js"> <!--<![endif]-->
<html>
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <title></title>
        <meta name="description" content="">
        <meta name="viewport" content="width=device-width, initial-scale=1">
        <link rel="stylesheet" href="">
    </head>

```

```
<body>
  <div class = "container">
    <input type="button" class="btn_primary" value="Show Posts"/>
    <table>
      <thead>
        <tr>
          <th>Name</th>
          <th>Age </th>
          <th>BookName</th>
        </tr>
      </thead>
      <tbody>

      </tbody>
    </table>
  </div>

  <script src="./js_hw1.js" type="module"></script>
</body>
</html>
```

Js:

```
import { HttpService } from './js_hw1_1.js'

export class PostComponent {

  getPosts(url) {
    let $http = new HttpService();
    $http.get(url).then(function (data) {

      let length = data.length
      let tbody = document.querySelector("tbody")
      tbody.innerHTML = "";
      for (let i = 0; i < length; i++) {
        let tr =
`<tr><td>${data[i].id}</td><td>${data[i].title}</td><td>${data[i].body}</td></tr>`
        tbody.innerHTML = tbody.innerHTML + tr;
      }
    })
  }
}

let btn = document.querySelector('[value="Show Posts"]')
btn.addEventListener("click", function () {
  let p = new PostComponent();
  p.getPosts("https://fakerestapi.azurewebsites.net/api/Authors")
})
```

```
export class HttpService {  
  
  get(url) {  
    let p1= fetch(url).then(function (response) {  
      return response.json();  
    })  
    return p1;  
  }  
}
```