

## AJAX introduction and Fetch Method - Practice Code

### Steps to see the output:

- Open VS code.
- Select New File in the opened folder...
- Save the file in the appropriate folder/ create the folder and save the file with extension.
- Copy and Add the below given JS code in the file.
- View the file in the browser, by right click on the file name in the left pane.
- View of file in browser.

### Problem Statement 1: SmartPhone API

Write a javascript file to print the output of the data by fetching it from URL:

['https://dummyjson.com/products/1'](https://dummyjson.com/products/1) ?

### Output:-

```

{
  "id": 1,
  "title": "iPhone 9",
  "description": "An apple mobile which is nothing like apple",
  "price": 549,
  "discountPercentage": 12.96,
  "category": "smartphones",
  "brand": "Apple",
  "stock": 94,
  "rating": 4.69,
  "images": [
    "https://dummyjson.com/image/1/products/1/1.jpg",
    "https://dummyjson.com/image/1/products/1/2.jpg",
    "https://dummyjson.com/image/1/products/1/3.jpg",
    "https://dummyjson.com/image/1/products/1/4.jpg",
    "https://dummyjson.com/image/1/products/1/5.jpg"
  ],
  "thumbnail": "https://dummyjson.com/image/1/products/1/thumbnail.jpg"
}

```

## Problem Statement 2: US Universities

Write a javascript file to make a table of US universities by making a call on below API

URL:- <http://universities.hipolabs.com/search?country=United+States>

### Output:-

Fetching and Displaying Data in Table...		
Marywood University	marywood.edu	United States
Lindenwood University	lindenwood.edu	United States
Sullivan University	sullivan.edu	United States
Florida State College at Jacksonville	fscj.edu	United States
Xavier University	xavier.edu	United States

## Solutions

### Problem Statement 1:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>AJAX introduction and Fetch Method Practice Code</title>
  <style>
    body{
      height:100%;
      background-image: linear-gradient(to right, rgb(77, 168, 183),
      rgb(131, 120, 202));
      font-family: "Montserrat","Helvetica Neue","sans-serif";
    }
  </style>
</head>
<body>
  <h1>Fetching Data...</h1>
  <script>
    fetch('https://dummyjson.com/products/1')
    .then(res => res.json())
    .then(json => console.log(json))
  </script>
</body>
</html>
```

### Problem Statement 2:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>AJAX introduction and Fetch Method Practice Code</title>
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.cs
s"
rel="stylesheet"
integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9B
v1WTRi" crossorigin="anonymous">
  <style>
    body{
      height:100%;
      background-image: linear-gradient(to right, rgb(211, 235, 238),
      rgb(37, 169, 173));
      font-family: "Montserrat","Helvetica Neue","sans-serif";
    }
  </style>
</head>
<body>
  <div class="container">
    <h1>Fetching and Displaying Data in Table...</h1>
```

```

    <table id="table" class="table"></table>
  </div>
  <script>

fetch('http://universities.hipolabs.com/search?country=United+States')
  .then(res => res.json())
  .then(json => show(json))

function show(universities) {
  let table = document.getElementById('table');
  for (let i = 0; i < universities.length; i++){
    let obj = universities[i];
    console.log(obj);
    let row = document.createElement('tr');
    let name = document.createElement('td');
    let domains = document.createElement('td');
    let country = document.createElement('td');
    name.innerHTML=obj.name;
    domains.innerHTML=obj.domains;
    country.innerHTML=obj.country;
    row.appendChild(name)
    row.appendChild(domains)
    row.appendChild(country)
    table.appendChild(row)
  }
}
  </script>
</body>
</html>

```