

MODULE: 4 (New Request)

- What is JSON

Ans

JSON stands for JavaScript Object Notation

JSON is a lightweight format for storing and transporting data

JSON is often used when data is sent from a server to a web page

JSON is "self-describing" and easy to understand

- What is promises?

"Producing code" is code that can take some time

"Consuming code" is code that must wait for the result

A Promise is a JavaScript object that links producing code and consuming code

- Write a program of promises and handle that promises also

Ans

```
var promise = new Promise(function(resolve, reject) {  
  const x = "jainikforjainik";  
  const y = "jainikforjainik"  
  if(x === y) {  
    resolve();  
  } else {  
    reject();  
  }  
});  
  
promise.
```

```

then(function () {
    console.log('Success, You are a JAINIK');
}).
catch(function () {
    console.log('Some error has occurred');
});

```

- Use fetch method for calling an api <https://fakestoreapi.com/products>

Ans

fakeStoreApi can be used with any type of shopping project that needs products, carts, and users in JSON format. you can use examples below to check how fakeStoreApi works

```

fetch('https://fakestoreapi.com/products')
    .then(res=>res.json())
    .then(json=>console.log(json))

```

output:

```

[
  {
    Id:1,
    Title:'....',
    Price:'....',
    Category:'....',
    Description:'....',
    Image:'....'
  }
]
/* .....*/
{

```

```
Id:30,  
Title:'....',  
Price:'....',  
Category:'....',  
Description:'....',  
Image:'....'  
}  
]
```

- Display all the product from the api in your HTML page

Ans

How to display api: .

```
<script>  
    function fetchdata() {  
        $.get("http://10.10.35.138:5000/data", function (data) { //The link of  
this line is my api link  
            $("#visitor").html('Visitor Count : ' + data.people);  
            $("#time").html('Time : ' + data.time);  
        });  
    }  
</script>
```

****HTML PART****

```
<div class="details">  
    <p id="visitor">Person Count:</p>  
    <p id="time">Time:</p>`enter code here`  
</div>
```

Display API Data in Html:

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h1>API Data</h1>
```

```
<div id="container">
```

```
  <div id="api">Nothing Yet</div>
```

```
</div>
```

```
<br>
```

```
<button type="button" onclick="loadAPI()">Change Content</button>
```

```
<script>
```

```
function loadAPI() {
```

```
  var xhttp = new XMLHttpRequest();
```

```
  xhttp.open("GET", "API URL with Token here", false);
```

```
  xhttp.addEventListener("load", loadData);
```

```
  xhttp.send();
```

```
}
```

```
function loadData() {
```

```
  document.getElementById('api').innerText =  
  JSON.parse(this.responseText);
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```