

JavaScript ES6 Object Oriented Concept

1).What is JSON?

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

2). 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

3). Write a program of promises and handle that promises also

```
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');
    });

```

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

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:'....'  
}  
]
```

5). Display all the product from the api in your HTML page

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>
```