

MODULE: 3 (New Request)

Question 1:-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
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- JSON is "self-describing" and easy to understand

Question 2:What is promises

ANS:A Promise is a proxy for a value not necessarily known when the promise is created. It allows you to associate handlers with an asynchronous action's eventual success value or failure reason. This lets asynchronous methods return values like synchronous methods: instead of immediately returning the final value, the asynchronous method returns a promise to supply the value at some point in the future.

Question 3:Write a program of promises and handle that promises also

ANS:

```
new Promise((resolveOuter) => {  
  resolveOuter(  
    new Promise((resolveInner) => {  
      setTimeout(resolveInner, 1000);  
    })  
  );  
});
```

Question 4:Use fetch method for calling an api

<https://fakestoreapi.com/products> .

ANS:const data = { username: 'example' };

```
fetch('https://example.com/profile', {
  method: 'POST', // or 'PUT'
  headers: {
    'Content-Type': 'application/json',
  },
  body: JSON.stringify(data),
})
.then((response) => response.json())
.then((data) => {
  console.log('Success:', data);
})
.catch((error) => {
  console.error('Error:', error);
});
```

Question 5:-Display all the product from the api in your HTML page.

ANS:<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<meta name="Description" content="Enter your description here"/>

<link rel="stylesheet"

href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/5.1.0/css/bootstrap.min.css">

<link rel="stylesheet"

href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.4/css/all.min.css">

<link rel="stylesheet" href="main.css">

<script src="main.js"></script>

<title>Art</title>

</head>

```

<body>
  <!-- Navbar Section -->
  <nav class="navbar navbar-expand-lg bg-dark navbar-dark py-3
fixed-top shadow-lg">
    <div class="container">
      <a href="#" class="navbar-brand">For the love of Art</a>
      <button
        class="navbar-toggler"
        type="button"
        data-bs-toggle="collapse"
        data-bs-target="#navmenu"
      ><span class="navbar-toggler-icon"></span></button>
      <div class="collapse navbar-collapse" id="navmenu">
        <ul class="navbar-nav ms-auto">
          <li class="nav-item">
            <a href="#126414" class="nav-link">Espejo Negro</a>
          </li>
          <li class="nav-item">
            <a href="#137125" class="nav-link">Many
Mansions</a>
          </li>
          <li class="nav-item">
            <a href="#117266" class="nav-link">Nightlife</a>
          </li>
          <li class="nav-item">
            <a href="#191556" class="nav-link">The Room No.
VI</a>
          </li>
          <li class="nav-item">
            <a href="#102611" class="nav-link">Veranda Post</a>
          </li>
          <li class="nav-item">
            <a href="#151363" class="nav-link">Weaving</a>
          </li>
        </ul>

```

```
        </div>
    </div>
</nav>
<br>
<!--Start of Container For Artwork-->
<div class="container">
    <div class="gallery">
        <br>
        <figure class="gallery__item gallery__item--1"
id="blackmirror" onclick="event.stopPropagation(); getArt(this.id,
event)">
            
        </figure>
        <br>
        <figure class="gallery__item gallery__item--2"
id="manymansions" onclick="event.stopPropagation(); getArt(this.id,
event)" >
            
        </figure>
        <br>
        <figure class="gallery__item gallery__item--3" id="nightlife"
onclick="event.stopPropagation(); getArt(this.id, event)">
            
        </figure>
        <br>
        <figure class="gallery__item gallery__item--4" id="room"
onclick="event.stopPropagation(); getArt(this.id, event)">
            
        </figure>
        <br>
```

```
<figure class="gallery__item gallery__item--5" id="opo"
onclick="event.stopPropagation(); getArt(this.id, event)">
    
</figure>
<br>
<figure class="gallery__item gallery__item--6" id="weaving"
onclick="event.stopPropagation(); getArt(this.id, event)">
    
</figure>
</div>
</div>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/2.9.2/umd/po
pper.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/twitter-
bootstrap/5.1.0/js/bootstrap.min.js"></script>
</body>
</html>
```