**JavaScript Essentials**

1. **Calculate subtotal price of quantity in JavaScript?**

**Ans:**

**Subtotal.html**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

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

**<title> Subtotal </title>**

**<link rel="stylesheet" href="subtotal.css">**

**<script src="subtotal.js"></script>**

**</head>**

**<body>**

**<table border="1" cellspacing="0">**

**<tr class="headings">**

**<td> Product Info </td>**

**<td> Quantity </td>**

**<td> Price (per unit) </td>**

**<td> Price (subtotal) </td>**

**<td> </td>**

**</tr>**

**<tr>**

**<td>**

**<div class="product-card">**

**<img class="product-image" src="https://i.ytimg.com/vi/7b8sYqSfVuk/maxresdefault.jpg">**

**<p> Double Cheese Margherita </p>**

**</div>**

**</td>**

**<td> <input type="number" class="quantity" id="bowl-quantity" onkeyup="subtotal()"> </td>**

**<td> <div id="unit-price"> ₹ 399 </div> </td>**

**<td> <div id="subtotal-price-bowl" class="subtotal-price"> </div> </td>**

**<td> <button id="remove-btn" onclick="remove\_bowl()"> Remove </button> </td>**

**</tr>**

**<tr>**

**<td>**

**<div class="product-card">**

**<img class="product-image" src="https://www.dominos.co.in//files/items/CreamyTomatoPPVG.jpg">**

**<p> Creamy Tomato PAsta Pizza </p>**

**</div>**

**</td>**

**<td> <input type="number" class="quantity" id="glass-quantity" onkeyup="subtotal()"> </td>**

**<td> <div id="unit-price"> ₹ 489 </div> </td>**

**<td> <div id="subtotal-price-glass" class="subtotal-price"> </div> </td>**

**<td> <button id="remove-btn" onclick="remove\_glass()"> Remove </button> </td>**

**</tr>**

**<tr class="last-row">**

**<td> </td>**

**<td> </td>**

**<td> </td>**

**<td id="total-amt"> </td>**

**<td> </td>**

**</tr>**

**</table>**

**</body>**

**</html>**

**Subtotal.css**

**\***

**{**

**margin: 0;**

**padding: 0;**

**box-sizing: border-box;**

**font-family: sans-serif;**

**}**

**table**

**{**

**width: 80%;**

**margin: 3% 10%;**

**}**

**.headings**

**{**

**height: 70px;**

**text-align: center;**

**font-size: 20px;**

**font-weight: bold;**

**}**

**.product-card**

**{**

**width: 90%;**

**height: 150px;**

**margin: 0 5%;**

**}**

**.product-image**

**{**

**width: 80px;**

**height: 80px;**

**border-radius: 100%;**

**margin: 15px 0 0 0;**

**}**

**p**

**{**

**padding: 10px 0 0 0;**

**font-size: 20px;**

**}**

**.quantity**

**{**

**width: 100px;**

**height: 40px;**

**text-align: center;**

**margin: 10px 0 0 30px;**

**font-size: 20px;**

**caret-color: #333;**

**color: #333;**

**}**

**.quantity:focus**

**{**

**outline: none;**

**border: 2px solid green;**

**border-radius: 5px;**

**transition: 0.3s ease;**

**}**

**#unit-price, .subtotal-price**

**{**

**text-align: center;**

**font-size: 22px;**

**}**

**#remove-btn**

**{**

**background-color: orangered;**

**color: #fff;**

**border: none;**

**border-radius: 3px;**

**padding: 10px 20px;**

**font-size: 20px;**

**cursor: pointer;**

**margin: 0 0 0 20px;**

**}**

**#remove-btn:hover**

**{**

**transition: 0.5s ease;**

**transform: scale(0.9);**

**}**

**#total-amt**

**{**

**text-align: center;**

**font-size: 25px;**

**}**

**.last-row**

**{**

**height: 50px;**

**}**

**Subtotal.js**

**function subtotal()**

**{**

**var bowl\_quantity = document.getElementById("bowl-quantity").value;**

**var result1 = 399 \* bowl\_quantity;**

**document.getElementById("subtotal-price-bowl").innerHTML = " ₹ " + result1;**

**if (bowl\_quantity < 0)**

**{**

**alert("You can't Add Item in Minus.");**

**}**

**var glass\_quantity = document.getElementById("glass-quantity").value;**

**var result2 = 489 \* glass\_quantity;**

**document.getElementById("subtotal-price-glass").innerHTML = " ₹ " + result2;**

**if (glass\_quantity < 0)**

**{**

**alert("You can't Add Item in Minus.");**

**}**

**document.getElementById("total-amt").innerHTML = " ₹ " + (result1 + result2);**

**}**

**function remove\_bowl()**

**{**

**var bowl\_quantity = document.getElementById("bowl-quantity");**

**bowl\_quantity.value = 0;**

**document.getElementById("subtotal-price-bowl").innerHTML = " ₹ " + 0;**

**var bowl\_quantity01 = document.getElementById("bowl-quantity").value;**

**var result01 = 79 \* bowl\_quantity01;**

**var glass\_quantity01 = document.getElementById("glass-quantity").value;**

**var result02 = 209 \* glass\_quantity01;**

**var total\_amt1 = result01 + result02;**

**var remove\_bowl\_item = total\_amt1 - result01;**

**document.getElementById("total-amt").innerHTML = " ₹ " + (remove\_bowl\_item);**

**}**

**function remove\_glass()**

**{**

**var glass\_quantity = document.getElementById("glass-quantity");**

**glass\_quantity.value = 0;**

**document.getElementById("subtotal-price-glass").innerHTML = " ₹ " + 0;**

**var bowl\_quantity01 = document.getElementById("bowl-quantity").value;**

**var result01 = 79 \* bowl\_quantity01;**

**var glass\_quantity01 = document.getElementById("glass-quantity").value;**

**var result02 = 209 \* glass\_quantity01;**

**var total\_amt1 = result01 + result02;**

**var remove\_bowl\_item = total\_amt1 - result02;**

**document.getElementById("total-amt").innerHTML = " ₹ " + (remove\_bowl\_item);**

**}**

**2. What is JavaScript Output method?**

**Ans:**

JavaScript can "display" data in different ways: Writing into an HTML element, using innerHTML . Writing into the HTML output using document.write() . Writing into an alert box, using window.alert() . Writing into the browser console, using console.log() .

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title> JS Output Method </title>

</head>

<body>

<span> Click here to know about your selection : </span>

<button onclick="get\_alert()"> Click Here</button>

<div id="output"></div>

<div id="output2"></div>

<script>

// console.log()

// Use this method to display output in the browser console. It's perfect for debugging and checking the values of variables or messages during development.

var name = "Khushbu";

age = 21;

console.log("Name : ", name); // Output :- Name : Jainish

console.log("Age : ", age); // Output :- Age : 21

// document.write()

// Use this method to write content directly to the web page. It's best for simple demonstrations or testing purposes, but avoid using it after the page has loaded, as it can overwrite the entire document.

document.write("<h1> Hello ,This is Khushbu. May I Help You </h1>")

// alert()

// Use this method to show a pop-up message to the user with an "OK" button. It's useful for providing important notifications or messages.

alert("Welcome to our Gamimg zone.");

function get\_alert()

{

alert("You are selected for this Round.");

}

// innerHTML

// Use this property to update the HTML content of an element on the web page dynamically. It's commonly used for displaying information based on user interactions or data from JavaScript.

var outputElement = document.getElementById("output").innerHTML = "<p> Hello, World </p>";

var outputElement2 = document.getElementById("output2")

outputElement2.innerHTML = "<p> Hii i am deep.</p>";

</script>

</body>

</html>

**3. How to used JavaScript Output method?**

**Ans:**

JavaScript can "display" data in different ways:

* Writing into an HTML element, using innerHTML.
* Writing into the HTML output using document.write().
* Writing into an alert box, using window.alert().
* Writing into the browser console, using console.log().

**4. How to used JavaScript Events to do all examples?**

**Ans:**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

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

**<title> JavaScript Events </title>**

**</head>**

**<body>**

**<button id="myButton"> console.log() </button>**

**<hr>**

**<a href="#" id="myLink"> Anchor Link </a>**

**<hr>**

**<button id="writeBtn"> Write Content </button>**

**<div id="output"></div>**

**<hr>**

**<button id="updateButton"> Update Button </button>**

**<script>**

**// console.log()**

**// We can use an event listener on a button to log a message to the console when the button is clicked.**

**var myButton = document.getElementById("myButton");**

**myButton.addEventListener("click", function () {**

**console.log("Console.log() Button Clicked by user");**

**})**

**// alert()**

**// We can show an alert when a link is clicked.**

**var myLink = document.getElementById("myLink");**

**myLink.addEventListener("click", function () {**

**alert(" Anchor link clicked.");**

**})**

**// document.write()**

**// We can use an event listener on a button to write content to the document when the button is clicked.**

**var writeBtn = document.getElementById("writeBtn");**

**var outputDiv = document.getElementById("output");**

**writeBtn.addEventListener("click", function () {**

**outputDiv.innerHTML = "<p> Button is clicked </p>"**

**})**

**// innerHTML()**

**// We can update content when a button is clicked.**

**var updateBtn = document.getElementById("updateButton");**

**updateBtn.addEventListener("click", function () {**

**outputDiv.innerHTML = "<b> New clicked </b>";**

**})**

**</script>**

**</body>**

**</html>**