

React Js.

Assignment (Module-1)

Introduction (HTML, CSS, JAVASCRIPT)

1). What is HTML5?

- Hypertext Markup language Revision 5.
- It is more stable than HTML.
- It is a markup language for the structure and presentation of www content.
- It supports traditional HTML and X-HTML style syntax and other new features in its markup, New API, XHTML and error handling.

2). What is HTML5 structure Based tag?

- <header>,<nav>,<section>,<main>,<aside>,<article>,<footer> etc.....

3). What is HTML5 Content Based Tag?

- <svg>,<canvas>,<figure>,<figurecap>,<fieldset>,<datalist>,<audio>,<video>,<bdi>,<data>,<hgroup>,<mark>,<picture>,<progress>,<source>,<summary>,<time>,<wbr> etc.....

4). What is CSS?

- CSS is cascading stylesheet.
- It is used to apply style to our HTML document and make attractive our website.

5). What is Transition and Transform in CSS3?

- **Transition:** It is a CSS3 property used to apply time in effect.
- **Transform:** It is a CSS3 property used to apply 2D, 3D transformation on element.

6). What is 2D transform in CSS3?

- It is properties in CSS3 to create two Dimension effect on element
 1. Translate
 2. Rotate
 3. Scale
 4. scaleX
 5. scaleY
 6. skew

- 7. skewX
- 8. skewY
- 9. matrix

7). What is JavaScript?

- JavaScript is a client's side scripting language.
- It is a programming language that allows you to implement complex features on web pages
- It creates dynamically updating content, control multimedia, animate images, and pretty much everything else.

8). What is JavaScript Boxes?

- The JavaScript boxes is alert boxes message in webpage .
- There are three types of JavaScript boxes.

9). What is JavaScript events?

- JavaScript's interaction with HTML is handled through events that occur when the user or the browser manipulates a page.
- JavaScript events is a use to run some process through events.
- When the page is load it's called events.
- When the user click on the button it's also called events.

10). What is JavaScript Output methods?

- JavaScript Output methods is method use to print data on screen.
- There are so many types of Output methods in JavaScript.
 1. `console.log("")`
 2. `document.write("")`
 3. `window.alert("")`
 4. `document.getElementById("")`
 5. `document.getElementsByClassName("")`
 6. `document.getElementsByTagName("")`
 7. `document.getElementById("").innerHTML`

11). How to use JavaScript Output methods?

- There are so many Output methods in JavaScript to print o screen.
- There are some examples of output methods as under.
- **EXAMPLES..**
- `<form>`

```
<input type="text" name="Fname" id="firstname" class="firstname"
placeholder="Enter Your Name" required>
```

</form>

1. `Consol.log("Hi , I am rancho")`
 2. `document.write("Hi , I am rancho")`
 3. `document.getElementById("firstname")`
 4. `document.getElementsByClassName("firstname")`
 5. `document.getElementsByTagName("input")`
 6. `document.getElementsByTagName("input").value`
 7. `document.getElementsByTagName("form").innerHTML`
 8. `window.location("www.facebook.com")`
- etc.....

12). How to used JavaScript Events to Do all examples?

- Basically there are three main Events in JavaScript

1. Mouse Events

- `onclick()`
- `ondblclick()`
- `onmouseup()`
- `onmousedown()`
- `onmouseenter()`
- `onmouseleave()`
- `onmouseover()`
- etc...

2. Key-Board Events

- `Onkeypress()`
- `Onkeydown()`
- `Onkeyup()`





3. Window Events

- `Onload()`
- `OnUnload()`
- `onafterprint()`
- `onbeforeprint()`
- `onbeforeunload()`
- `onerror()`
- `onresize()`
- `ononline()`
- `onoffline()`
- etc.....

13). Calculate Subtotal price of quality in JavaScript?

- Here is the demo code and output of Subtotal price of quality in JavaScript

Cart

Product Info	Quantity	Price (per unit in \$)	Price (Subtotal in \$)	Action
 Fortunata Window Hardware - Decorative Holdback - Mocha	<input type="text" value="2"/>	<input type="text" value="29.99"/>	<input type="text" value="59.98"/>	
 Woven Trellies Window Hardware - Clip Rings - Bronze	<input type="text" value="1"/>	<input type="text" value="19.99"/>	<input type="text" value="19.99"/>	
			<input type="text" value="78"/>	

```

        input {
            width: 90%;
            padding: 2%;
        }

        td i {
            cursor: pointer;
        }
    </style>

    <!-- bootstrap css -->

    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.c
ss" rel="stylesheet"

        integrity="sha384-
1BmE4kWBq78iYhF1dvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
crossorigin="anonymous">

    <!-- bootstrap icon cdn -->

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.10.4/font/bootstrap-icons.css">

    <!-- bootstrap js -->

    <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.10.2/dist/umd/popper.min
.js"

        integrity="sha384-
7+zCNj/IqJ95wo16oMtfsKbZ9ccEh31e0z1HGyDuCQ6wgnyJNSYdrPa03rtR1zdB"

        crossorigin="anonymous"></script>

    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.min.js"

        integrity="sha384-
QJHtvGhmr9X0IpI6YVutG+2Q0K9T+ZnN4kzFN1RtK3zEFEIsxhlmW15/YESvpZ13"

        crossorigin="anonymous"></script>
</head>

<body>

    <div class="container mx-auto mt-5 shadow p-5">

```

```

<table class="cart text-center">

    <h2>Cart</h2>

    <hr>

    <thead>

        <tr>

            <th>Product Info</th>

            <th>Quantity</th>

            <th>Price (per unit in $)</th>

            <th>Price (Subtotal in $)</th>

            <th>Action</th>

        </tr>

    </thead>

    <tbody>

        <tr id="mochaaa">

            <td>

                 <br>

                Fortunata Window Hardware - Decorative Holdback -

Mocha

            </td>

            <td><input type="number" minlength="1" maxlength="10"

value="2" id="mochaqty"

                onchange="changhmocha()"></td>

            <td><input type="text" value="29.99" id="mochaprice"

readonly></td>

            <td><input type="text" value="59.98"

id="mochasubtotle"></td>

            <td><i class="bi bi-trash-fill text-danger"

onclick="document.getElementById('mochaaa').style.display =

'none'"></i></td>

        </tr>

        <tr id="bronzeee">

            <td>

                 <br>

```

```

Woven Trellies Window Hardware - Clip Rings -
Bronze

        </td>

        <td><input type="number" minlength="1" maxlength="10"
value="1" id="bronzeqty"

                onchange="changbronze()"></td>

        <td><input type="text" value="19.99" id="bronzepri"
readonly></td>

        <td><input type="text" value="19.99"
id="bronzesubtotle"></td>

        <td><i class="bi bi-trash-fill text-danger"
onclick="document.getElementById('bronzeee').style.display =
'none'"></i></td>

    </tr>

</tr>

<tr>

    <td></td>

    <td></td>

    <td></td>

    <td>

        <input type="text" id="totalprice" value="79.98"
class="w-100 float-end p-2 fs-5">

    </td>

    <td></td>

</tr>

</tbody>

</table>

</div>

<script>

    // for Fortunata Window Hardware - Decorative Holdback - Mocha
    function changhmocha() {

```

```

        var mochaqty = document.getElementById("mochaqty").value;
        var mochaprice = document.getElementById("mochaprice").value;
        var mochasubtotle = mochaqty * mochaprice

        document.getElementById("mochasubtotle").value = mochasubtotle;
    }

    // for Woven Trellies Window Hardware - Clip Rings - Bronze
    function changbronze() {
        var bronzeqty = document.getElementById("bronzeqty").value;
        var bronzeprice = document.getElementById("bronzeprice").value;
        var bronzesubtotle = bronzeqty * bronzeprice

        document.getElementById("bronzesubtotle").value =
bronzesubtotle;
    }

    // total prize
    var mochasubtotle =
parseInt(document.getElementById("mochasubtotle").value);
    var bronzesubtotle =
parseInt(document.getElementById("bronzesubtotle").value);
    var totalprize = mochasubtotle + bronzesubtotle

    document.getElementById("totalprice").value = totalprize;

    function removemocha(){
        document.getElementsByClassName("mocha").style.display="none"
    }

    function removebronze(){
        document.getElementsByClassName("bronze").style.display="none"

```



```
    }

    </script>
</body>

</html>
```

14). How to change image using onchange Events in JavaScript?

➤ <!DOCTYPE html>

```
<html>

<head>

    <title>Change Image Example</title>

</head>

<body>

    <h1>Change Image Example</h1>

    <input type="file" onchange="loadFile(event)">

    <br><br>

    <img id="output" width="200">


    <script>

        var loadFile = function(event) {

            var image = document.getElementById('output');

            image.src = URL.createObjectURL(event.target.files[0]);

        };

    </script>

</body>

</html>
```

15). Write an example of JavaScript Onblur event?

➤ Example of Onblur Event:

```
<!DOCTYPE html>

<html>

  <head>

    <title>transition Example</title>

  </head>

  <body>

    <form>

      <label for="name"> Name : </label>

      <input type="text" id="name" Onblur="validname()">

    <Script>

      Function validname(){

        let nameip= document.getElementById('name');

        let name= nameip.value;

        If(name == ""){

          alert("Please enter your name" )

          nameip.focus();

        }

      }

    </script>
```

16). Write an example of transition and transform attributes of css3 in web page?

➤ Example of transition :

```
<!DOCTYPE html>

<html>

  <head>

    <title>transition Example</title>

    <style>

      . change {
```

```

        Padding:3% 5%;

        Background-color:darkred;

        Transition: 1s ease all
    }

    . change:hover{

        Background-color:yello;

    }

</style>

</head>

<body>

    <div class=" change">

        Lorem ipsum write code when you meet your brother and play games watch
        movie etc.....

    </div>

</body>

</html>

```

➤ **Example of Transform:**

```

<!DOCTYPE html>

<html>

<head>

    <title>transform Example</title>

    <style>

        .move{

            Transform:translet(100 300);

            Transform:rotate(100deg);

            Transform:skew(100, 300);

            Transform:scale(2);

        }

    </style>

</head>

```

```

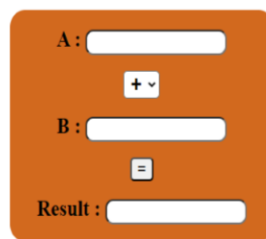
<body>
    <div class="move">
        Lorem ipsum write code when you meet your brother and
        play games watch movie etc.....
    </div>
</body>
</html>

```

17). Make an small calculator to add ,substracts and divide of two numbers in JavaScript.

- Here is the demo code and output of calculator to add, substracts and divide of two numbers using JavaScript

Calculator



```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>calculator</title>
    <style>
        *{
            margin: 0;
            padding: 0;
            box-sizing: border-box;
        }
    </style>

```



```
        <option value="+">+</option>
        <option value="-">-</option>
        <option value="*">*</option>
        <option value="/">/</option>
        <option value="%">%</option>
    </select><br><br>
    <label for="">B : </label>
    <input type="number" id="v2" value=""><br><br>
    <button type="button" id="btn" onclick="clc()">=</button><br><br>
    <label for="">Result : </label>
    <input id="result">
</div>

<script>
    function clc(){
        var a=parseInt(document.getElementById("v1").value);
        var b=parseInt(document.getElementById("v2").value);
        var oprt=document.getElementById("opt").value;

        if (oprt === "+"){
            document.getElementById('result').value = a + b;
        }
        else if (oprt === "-"){
            document.getElementById('result').value = a - b;
        }
        else if (oprt === "*"){
            document.getElementById('result').value = a * b;
        }
        else if (oprt === "/"){
            document.getElementById('result').value = a / b;
        }
        else{
            document.getElementById('result').value = a % b;
        }
    }
</script>
</body>
</html>
```