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Assignment 1

1) write HTML code to create a Student Registration form.

HTML Code: -

```html
<html>
    <head>
    <link href="form1.css" rel="Stylesheet">
    <title>
    Student's registration Form
    </title>
    </head>
    <body>
<div id = "form2">STUDENT REGISTRATION FORM</div><br>
<div id = "info">Basic Information</div><br>
<form>
<div id="full"> Full Name </div><br>
<div id="name">
<div id="First"><label>First Name</label></div>
<div id="first"><input type = "text" value="Enter First Name"></div>
<div id="middle"><label>Middle Name</label></div>
<div id="Middle" ><input type = "text" value="Enter Middle
Name"></div>
<div id="Last"><label>Last Name</label></div>
<div id="last" ><input type = "text" value="Enter Last Name"></div>
</div><br>
<label id="DOB">Date of Birth</label><br><br>
<input type="date" value="MM/DD/YYYY"><br><br>
<label id="gen">Gender</label><br><br>
<input list='scr'><br>
<datalist id='scr'>
    <option value="Male">
    <option value="Female">
</datalist><br>
<div id="Add">Address</div><br>
<input type="Address" value="Street Address"><br><br>
<input type="Address" value="Street Address Line 2"><br><br>
<input type="Address" value="City"><br><br>
<input type="Address" value="Region"><br><br>
<input type="Address" value="Pin Code"><br><br>
```

```html
<label id = "num">Student Number</label><br><br>
<input type="number" value="e.g. 123456"><br><br>
<label id= "year">Year Level</label><br><br>
<input type="number" value="Please Enter"><br>
<div id="A.Y.">for incoming A.Y. "12-"13</div><br>
<label id="Degree">Degree Program</label><br><br>
<input type="text" id="Degree" required name='section'
list='scripts'><br>
<datalist id='scripts'>
    <option value ='BCA'>
    <option value='BBA'>
    <option value='B.tech'>
</datalist><br>
<label id="email">Email</label><br><br>
<input type="email" value="ex: myname@gmail.com" required><br>
</form>
<input type="button" value="Submit" onclick="submission()">
 <script>
     function submission(){
    document.write("Your form has been submitted")
    }
 </script>
    </body>
</html>
```

CSS Code: -

```css
#form2{
    font-size: 60px;
    text-align: center;
    color: rgb(4, 4, 4);
    word-spacing: 20px;
}
#info{
    color: rgb(21, 18, 18);
    font-weight: bold;
    padding: 20px;
    background-color: rgb(185, 185, 158);
}
#full,#DOB,#gen,#Add,#num,#year,#Degree,#email{
color: rgb(8, 7, 7);
}
```

```css
#name{
    padding:5px;
    margin:5px;
}
```

Output: -

2) Write HTML code for creating Web page containing multiple MCQs.

HTML Code: -

```html
<html>
    <head>
        <title>
```

```
            MCQ website
        </title>
    </head>
    <body>
        <h1>MCQ Questions</h1>
        <div>1. What does the abbreviation HTML stand for?</div>
        <br><button>HyperText Markup Language.</button>
        <br><button>HighText Markup Language.</button>
        <br><button>HyperText Markdown Language.</button>
        <br><button>None of the above.</button><br>
        <br><div>2. How many sizes of headers are available in HTML
by default?</div>
        <br><button>5</button>
        <br><button>1</button>
        <br><button>3</button>
        <br><button>6</button><br>
        <br><div>3. What is the smallest header in HTML by
default?</div>
        <br><button>h1</button>
        <br><button>h2</button>
        <br><button>h6</button>
        <br><button>h4</button><br>
        <br><div>4. What are the types of lists available in
HTML?</div>
        <br><button>Ordered, Unordered Lists.</button>
        <br><button>Bulleted, Numbered Lists.</button>
        <br><button>Named, Unnamed Lists.</button>
        <br><button>None of the above.</button><br>
        <br><div>5. HTML files are saved by default with the
extension?</b></div>
        <br><button>.html</button>
        <br><button>.h</button>
        <br><button>.ht</button>
        <br><button>None of the above</button><br>
        <br><button>Submit</button>
    </body>
</html>
```

Output: –

MCQ Questions

1. What does the abbreviation HTML stand for?

HyperText Markup Language.
HighText Markup Language.
HyperText Markdown Language.
None of the above.

2. How many sizes of headers are available in HTML by default?

5
1
3
6

3. What is the smallest header in HTML by default?

h1
h2
h6
h4

4. What are the types of lists available in HTML?

Ordered, Unordered Lists.
Bulleted, Numbered Lists.
Named, Unnamed Lists.
None of the above.

5. HTML files are saved by default with the extension?

.html
.h
.ht
None of the above

Submit

3) Divide HTML into different frames and display different web page in those frames.

HTML Code: -

Our code for frame 1

```html
<html>
    <head>
        <title>
            Frame 1
        </title>
    </head>
    <body>
        <h1>Frame One</h1>
    </body>
</html>
```

Our code for frame 2

```html
<html>
    <head>
        <title>
            Frame 2
        </title>
    </head>
    <body>
        <h1>Frame Two</h1>
    </body>
</html>
```

Now, dividing the website into two frames

```html
<html>
<head>
    <title>
Dividing website into frames
    </title>
    <frameset cols = "50%,50%">
    <frame src="frame1.html">
    <frame src="frame2.html">
    </frameset>
</head>
</html>
```

Output: -

4) Create a mini calculator using java script, HTML and CSS.
HTML Code: -

```html
<html>
    <head>
        <title>
            Calculator
        </title>
        <link href="calculator.css" rel="Stylesheet">
    </head>
    <body>

        <h3 style = "font-size : 30px;">Calculator</h3>
        <br>
```

```html
<!--
=====================================================================
=============================================== -->
<div id = "Add" style = "font-size : 25px;">Adding two numbers</div>
        <label> Number 1</label>
        <input id="No1" type="number" style="text-align: center;">
        <br><br>
        <label > Number 2</label>
        <input id="No2" type="number" style = "text-align : center">
        <br><br>
        <input type="button" value="+" onclick="Addition()" style =
"text-align : center"><br><br>
        <!-- displaying the result -->
        <p id="result"></p>


<!--
=====================================================================
=============================================== -->
<div id = "Sub" style = "font-size : 25px;">Subtracting two
numbers</div>
        <label>Bigger Number</label>
        <input id="num1" type="number" style = "text-align :
center"><br><br>
        <label>Smaller Number</label>
        <input id="num2" type="number" style = "text-align :
center"><br><br>
        <input type="button" value="-" onclick="Subtraction()" style
= "text-align : center">

        <!-- displaying the result of subtraction -->
        <p id="sub"></p>


<!--
=====================================================================
=============================================== -->
<div id = "Mul" style = "font-size : 25px;"> Multiplying two
numbers</div>
<label style = "text-align : center">Number</label>
        <input id="Num1" type="number" style = "text-align :
center"><br><br>
        <label>Number</label>
```
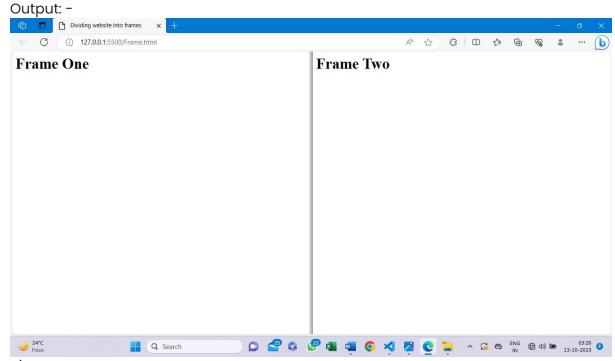
```html
        <input id="Num2" type="number" style = "text-align :
center"><br><br>
        <input type="button" value="*" onclick="Mul()"style = "text-
align : center">

        <!-- displaying the result of multiplication -->
        <p id="mul"></p>
<!--
===============================================================
================================================ -->
<div id = "Div" style = "font-size : 25px;">Dividing two
numbers</div>
<label>Bigger Number</label>
<input id="no1" type="number" style = "text-align : center"><br><br>
<label>Smaller Number</label>
<input id="no2" type="number" style = "text-align : center"><br><br>
<input type="button" value="/" onclick="Div()"style = "text-align :
center">

<!-- displaying the result of division -->
<p id="div"></p>
<!--
===============================================================
================================================ -->
<div id = "Mod" style = "font-size : 25px;color : rgb(10, 10,
10);">The Modulous of two numbers</div>
<label>Bigger Number</label>
<input id="n1" type="number" style = "text-align : center"><br><br>
<label>Smaller Number</label>
<input id="n2" type="number" style = "text-align : center"><br><br>
<input type="button" value="%" onclick="Mod()" style = "text-align :
center">

<!-- displaying the result of Modulous -->
<p id="mod"></p>
<!--
===============================================================
================================================ -->

        <Script>
            function Addition()
            {
```

```
            var x=Number(document.getElementById("No1").value);
            var y=Number(document.getElementById("No2").value);
            var z=x+y;
            document.getElementById("result").innerHTML= +x+" + "+y+"
= "+z;
            }
            function Subtraction(){
             var a=Number(document.getElementById("num1").value);
             var b=Number(document.getElementById("num2").value);
             var c=a-b;
             document.getElementById("sub").innerHTML= +a+" - "+b+" =
"+c;
            }
            function Mul(){
             var i = Number(document.getElementById("Num1").value);
             var j = Number(document.getElementById("Num2").value);
             var k=i*j;
             document.getElementById("mul").innerHTML= +i+" x "+j +"
= " +k;
            }
            function Div(){
             var m = Number(document.getElementById("no1").value);
             var n = Number(document.getElementById("no2").value);
             var o = m/n;
             document.getElementById("div").innerHTML= "Quotient of
dividing "+m+" by " +n+ " is "+o;
            }
            function Mod(){
             var p = Number(document.getElementById("n1").value);
             var q = Number(document.getElementById("n2").value);
             r=p%q;
             document.getElementById("mod").innerHTML="Remainder left
after dividing "+p+ " by " +q+ " is " +r;
            }
        </Script>
    </body>
</html>
```

CSS Code: -

```
*{
    background-color: rgb(205, 174, 179);
```

```
}
```

Output: -

Calculator

Adding two numbers
Number 1 [2   ]

Number 2 [1   ]

[+]

2 + 1 = 3

Subtracting two numbers
Bigger Number [4   ]

Smaller Number [2   ]

[-]

4 - 2 = 2

Multiplying two numbers
Number [2   ]

Number [3   ]

[*]

2 x 3 = 6

Dividing two numbers
Bigger Number [8   ]

Smaller Number [2   ]

[/]

Quotient of dividing 8 by 2 is 4

The Modulous of two numbers
Bigger Number [9   ]

Smaller Number [2   ]

[%]

Remainder left after dividing 9 by 2 is 1