

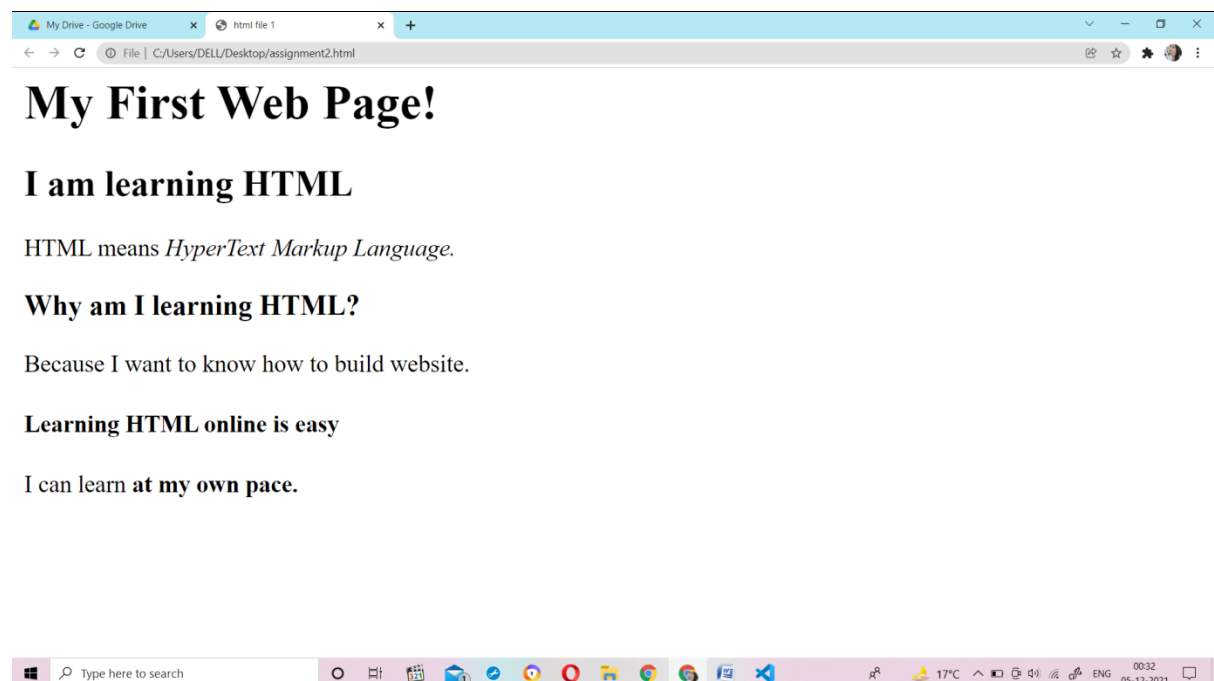
## Chanchala kumari(Assignment)

1). Create a html file to display the following output:

Solution:-

```
<html>

<head>
  <title>html file 1</title>
</head>
<body>
  <h1>My First Web Page!</h1>
  <h2>I am learning HTML</h2>
  <p>HTML means <i>HyperText Markup Language.</i> </p>
  <h3>Why am I learning HTML?</h3>
  <p>Because I want to know how to build website.</p>
  <h4>Learning HTML online is easy</h4>
  <p>I can learn <b>at my own pace.</b></p>
</body>
</html>
```



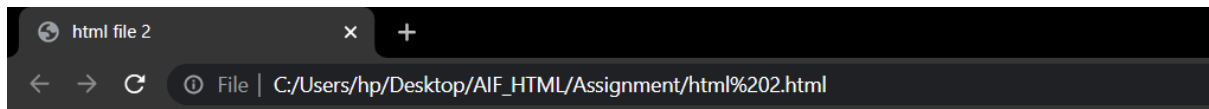
2) Create a html file to display the following output.

Please note that the links in the file should redirect to another html page which is designed by you (You have liberty to put any content in those pages).

```
<html>

<head>
  <title>html file 2</title>
</head>

<body>
  <h1>My first mini website</h1>
  
  <ul>
    <li><a href="html2a.html">Read about vegetables</a></li>
    <li><a href="html2b.html">Or check out some images</a></li>
    <li><a href="html2c.html">Find out where I live</a></li>
    <li><a href="html2d.html">Or check out a page about hyperlinks</a></li>
  </ul>
  <h3>Wanna come visit?Check out our store here:</h3>
  <ul>
    <i>
      <li>465 Supercool Avenue</li>
      <li>Los Angeles, California</li>
      <li>90210</li>
    </i>
  </ul>
</body>
</html>
```



## My first mini website



- [Read about vegetables](#)
- [Or check out some images](#)
- [Find out where I live](#)
- [Or check out a page about hyperlinks](#)

**Wanna come visit? Check out our store here:**

- 465 Supercool Avenue
- Los Angeles, California
- 90210

## Html2a html.file

```
<html>
<head>
  <title>html 2a</title>
</head>
<body>
  <fieldset style="background-color: linen">
    <legend><button style="background-color: lightseagreen">Benefits of
Carrots</button></legend>

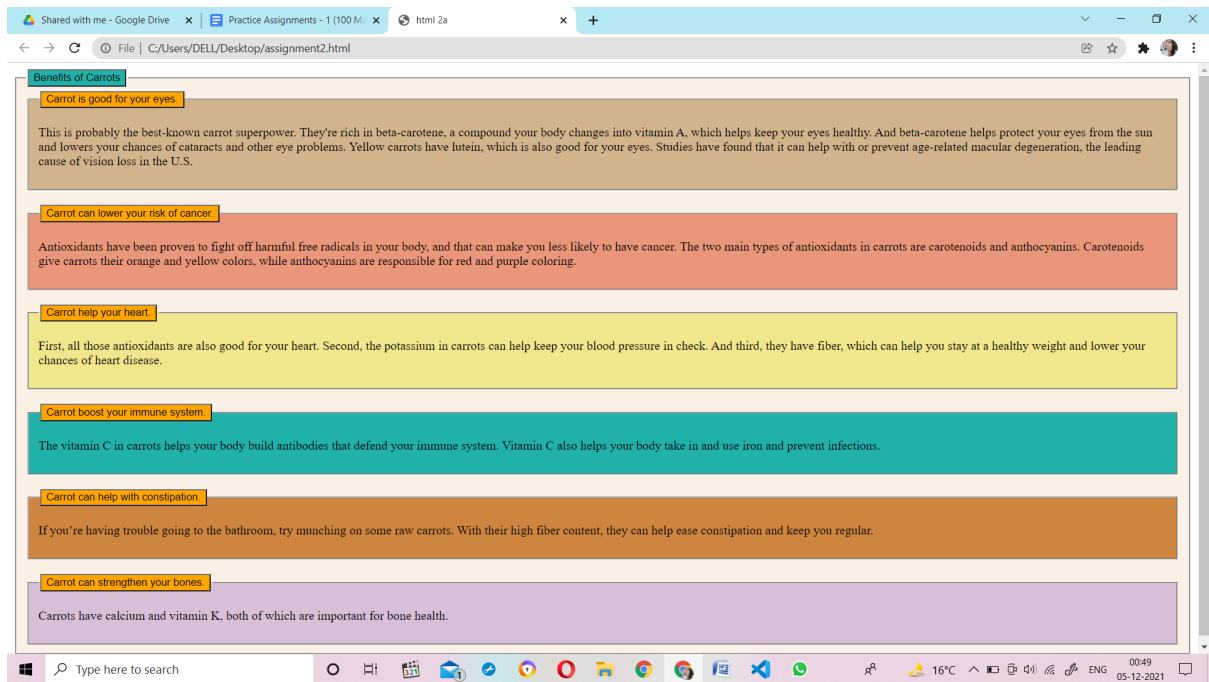
    <fieldset style="background-color: tan;">
      <legend><button style="background-color: orange;">Carrot is good for your
eyes.</button></legend>
      <p> This is probably the best-known carrot superpower. They're rich in beta-carotene, a
compound your body changes into vitamin A, which helps keep your eyes healthy. And beta-
carotene helps protect your eyes from the sun and lowers your chances of cataracts and other
eye problems.
```

```

        Yellow carrots have lutein, which is also good for your eyes. Studies have found that it
        can help with or prevent age-related macular degeneration, the leading cause of vision loss in the
        U.S.</p>
        </fieldset>
        <br>
        <fieldset style="background-color: darksalmon;">
            <legend><button style="background-color: orange;">Carrot can lower your risk of
            cancer.</button></legend>
            <p>Antioxidants have been proven to fight off harmful free radicals in your body, and that
            can make you less likely to have cancer.
            The two main types of antioxidants in carrots are carotenoids and anthocyanins.
            Carotenoids give carrots their orange and yellow colors, while anthocyanins are responsible for
            red and purple coloring.</p>
        </fieldset>
        <br>
        <fieldset style="background-color: khaki;">
            <legend><button style="background-color: orange;">Carrot help your
            heart.</button></legend>
            <p>First, all those antioxidants are also good for your heart. Second, the potassium in
            carrots can help keep your blood pressure in check. And third, they have fiber, which can help you
            stay at a healthy weight and lower your chances of heart disease.
        </p>
        </fieldset>
        <br>
        <fieldset style="background-color: lightseagreen;">
            <legend><button style="background-color: orange;">Carrot boost your immune
            system.</button></legend>
            <p>The vitamin C in carrots helps your body build antibodies that defend your immune
            system. Vitamin C also helps your body take in and use iron and prevent infections.</p>
        </fieldset>
        <br>
        <fieldset style="background-color: peru;">
            <legend><button style="background-color: orange;">Carrot can help with
            constipation.</button></legend>
            <p>If you're having trouble going to the bathroom, try munching on some raw carrots.
            With their high fiber content, they can help ease constipation and keep you regular.</p>
        </fieldset>
        <br>
        <fieldset style="background-color: thistle;">
            <legend><button style="background-color: orange;">Carrot can strengthen your
            bones.</button></legend>
            <p>Carrots have calcium and vitamin K, both of which are important for bone health.</p>
        </fieldset>
    </fieldset>
</body>
</html>

```

Output:-



Html2b .thml.file

```
<html>
  <head>
    <title>html 2b</title>
  </head>
  <body>
    <table border="3" style="background-color:burlywood;">
      <thead>
        <th colspan="5"><h1>CARROT</h1></th>
      </thead>
      <tbody>

        <tr>
          <td></td>
          <td></td>
          <td></td>
          <td></td>
        </tr>
```

```
      <tr align="center">
        <td><b>'St. Valery' French heirloom carrot</b></td>
        <td><b>'Purple Haze' hybrid carrot</b></td>
        <td><b>'Deep Purple' hybrid carrot</b></td>
        <td><b>'Lunar White' heirloom carrot</b></td>
      </tr>
```

```
      <tr align="center">
```

`<td>`An heirloom favorite of many growers, the St. Valery carrot originated in France and has since been brought to gardens across the world. Each reddish-orange carrot is large and tapering in shape, reaching about 10–12" in length with 2–3" diameter tops.`</td>`

`<td>`Purple Haze has a purple exterior and orange interior. Circles of cut Purple Haze carrots have two distinct colors: a halo of purple with a bright orange center. The best appearance of Purple Haze will be raw in salads or cole slaw. When cooked in water, the purple color will fade.`</td>`

`<td>`These very dark purple coloured carrots have a lovely sweet flavour. Unlike 'Cosmic Purple', this variety retains its deep colour all the way through to the core. The plants are very vigorous with tall, strong tops.`</td>`

`<td>`A creamy white carrot with green shoulders, Lunar White is mild and sweet. The tender roots grow to 6-8". White carrots are making a comeback. When Henry VIII sat down for lunch, the carrots on the table were white. `</td>`

`</tr>`

`<tr></tr>`

`</tbody>`

`<tfoot>`

`<tr >`

`<td align="center" colspan="4">`The fiber in carrots can help keep blood sugar levels under control. And they're loaded with vitamin A and beta-carotene, which there's evidence to suggest can lower your diabetes risk. They can strengthen your bones. Carrots have calcium and vitamin K, both of which are important for bone health.

Carrot are root vegetables that were first grown in Afghanistan around 900 AD. Orange may be their best-known color, but they also come in other hues, including purple, yellow, red, and white. Early carrots were purple or yellow. Orange carrots were developed in Central Europe around the 15th or 16th century.

This popular and versatile veggie may taste slightly different depending on the color, size, and where it's grown. The sugar in carrots gives them a slightly sweet flavor, but they also can taste earthy or bitter.

`</td>`

`</tr>`

`<tr>`

`<td align="center" colspan="4">`Carrots aren't the easiest veggies to grow, but when you pull that first crunchy, sweet, and flavorful root from the soil, from the first bite you will know that it was well worth the effort. Give carrots their ideal growing environment and experiment

with companion planting to improve yields of healthy and delicious homegrown carrots.</td>

</tr>

</tfoot>

</table>

</body>

</html>

CARROT			
			
<b>'St. Valery' French heirloom carrot</b> An heirloom favorite of many growers, the St. Valery carrot originated in France and has since been brought to gardens across the world. Each reddish-orange carrot is large and tapering in shape, reaching about 10-12" in length with 2-3" diameter tops.	<b>'Purple Haze' hybrid carrot</b> Purple Haze has a purple exterior and orange interior. Circles of cut Purple Haze carrots have two distinct colors: a halo of purple with a bright orange center. The best appearance of Purple Haze will be raw in salads or color slaw. When cooked in water, the purple color will fade.	<b>'Deep Purple' hybrid carrot</b> These very dark purple coloured carrots have a lovely sweet flavor. Unlike 'Cosmic Purple', this variety retains its deep colour all the way through to the core. The plants are very vigorous with tall, strong tops.	<b>'Lunar White' heirloom carrot</b> A creamy white carrot with green shoulders, Lunar White is mild and sweet. The tender roots grow to 6-8". White carrots are making a comeback. When Henry VIII sat down for lunch, the carrots on the table were white.
<p>The fiber in carrots can help keep blood sugar levels under control. And they're loaded with vitamin A and beta-carotene, which there's evidence to suggest can lower your diabetes risk. They can strengthen your bones. Carrots have calcium and vitamin K, both of which are important for bone health. Carrot are root vegetables that were first grown in Afghanistan around 900 AD. Orange may be their best-known color, but they also come in other hues, including purple, yellow, red, and white. Early carrots were purple or yellow. Orange carrots were developed in Central Europe around the 15th or 16th century. This popular and versatile veggie may taste slightly different depending on the color, size, and where it's grown. The sugar in carrots gives them a slightly sweet flavor, but they also can taste earthy or bitter.</p> <p>Carrots aren't the easiest veggies to grow, but when you pull that first crunchy, sweet, and flavorful root from the soil, from the first bite you will know that it was well worth the effort. Give carrots their ideal growing environment and experiment with companion planting to improve yields of healthy and delicious homegrown carrots.</p>			

## Html2c html.file

```
<html>
  <head>
    <title>Find out where I live</title>
  </head>
  <body>
    <fieldset style="font-family: 'Times New Roman', Times, serif;
background-color:lightgreen;">
      <legend align="center"><button><h3>To Plant, Grow, and Harvest
Carrots</h3></button></legend>
      <p>Garden-grown carrots are full of flavor and texture! They are a
popular, long-lasting root vegetable that can be grown in many climates.
Learn all about planting, growing, and harvesting carrots.
Carrots are easy to grow as long as they are planted in loose,
sandy soil during the cooler
periods of the growing season—spring and fall (carrots can
tolerate frost).
Depending on the variety and local growing conditions, carrots
may take anywhere from 2 to 4 months to mature.
Plant them in the spring and summer for a continuous harvest
```

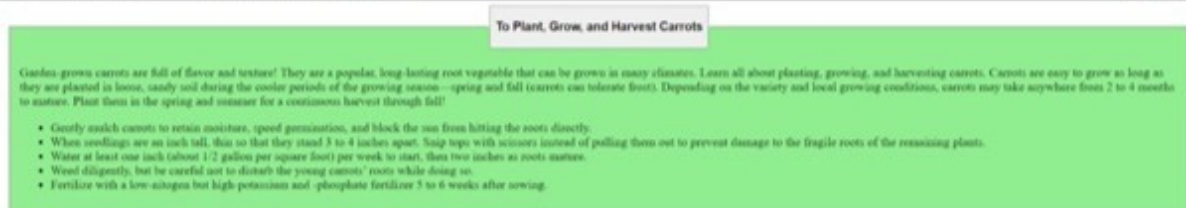


```

through fall!</p>
<ul>
  <li>Gently mulch carrots to retain moisture, speed germination,
and block the sun from hitting the roots directly.</li>
  <li>When seedlings are an inch tall, thin so that they stand 3 to
4 inches apart. Snip tops with scissors instead of pulling them out to
prevent damage to the fragile roots of the remaining plants.</li>
  <li>Water at least one inch (about 1/2 gallon per square foot)
per week to start, then two inches as roots mature.</li>
  <li>Weed diligently, but be careful not to disturb the young
carrots' roots while doing so.</li>
  <li>Fertilize with a low-nitrogen but high-potassium and -
phosphate fertilizer 5 to 6 weeks after sowing.</li>
</ul>

</fieldset>
</body>
</html>

```



## Html2d html.file

```

<html>
  <head>
    <title>Or check out a page about hyperlinks</title>
  </head>
  <body>
    <fieldset style="background-color: khaki;">
      <legend style="background-color: lightcoral; font-family: 'Times
New Roman', Times, serif;"><button><h3>Impressive Benefits of Carrot
Juice</h3></button> </legend>
      <p>Carrot juice is extracted from whole carrots and extremely
nutritious.
        It not only provides potassium and vitamin C but also is very
rich in provitamin A.
        Drinking carrot juice is thought to boost immunity and improve
eye and skin health, among other benefits </p>
      <ul>

```



```

<li>Calories: 96</li>
<li>Protein: 2 grams</li>
<li>Fat: less than 1 gram</li>
<li>Carbs: 22 grams</li>
<li>Sugars: 9 grams</li>
<li>Fiber: 2 grams</li>
<li>Vitamin A (as provitamin A): 255% of the Daily Value
(DV)</li>
<li>Vitamin C: 23% of the DV</li>
<li>Vitamin K: 31% of the DV</li>
<li>Potassium: 15% of the DV</li>
</ul>
</fieldset>
</body>
</html>

```



3) Create a paragraph block element. Create at least 5 buttons with different colour names on each button. On clicking each button, the background of the paragraph block element should change to that colour.

Solution:-

```

<html>
<head>
<title>Html file 3</title>
<script>
function funRed() {
    document.getElementById("text1").style.color = "red";
}
function funYellow(){
    document.getElementById("text2").style.color="yellow";
}
function funGreen(){
    document.getElementById("text3").style.color="green";
}
function funBlue(){

```

```

        document.getElementById("text4").style.color="blue";
    }
    function funPurple(){
        document.getElementById("text5").style.color="purple";
    }
</script>

</head>
<body>
    <fieldset>

        <legend><button type="button" style="background-color: red;"
onclick="funRed('red'); return false;">RED</button></legend>
        <p id="text1" >Red has a range of symbolic meanings, including
life, health, vigor, war, courage, anger, love and religious fervor.
        The common thread is that all these require passion, and the "life
force" that drives passion blood is red.
        When people become angry their faces become flushed with
color.</p>
    </fieldset>
    <br>
    <fieldset>
        <legend> <button type="button" style="background-color: yellow;"
onclick="funYellow('yellow'); return false;">YELLOW</button></legend>
        <p id="text2">Yellow is the color between green and orange on the
spectrum of visible light.
        It is evoked by light with a dominant wavelength of roughly
575–585 nm.
        It is a primary color in subtractive color systems, used in
painting or color printing.
        In the RGB color model, used to create colors on television and
computer screens, yellow is
        a secondary color made by combining red and green at equal
intensity.</p>
    </fieldset>
    <br>
    <fieldset>
        <legend><button type="button" style="background-color: green;"
onclick="funGreen('Green'); return false;">GREEN</button></legend>
        <p id="text3">Green is the color between blue and yellow on the
visible spectrum.
        It is evoked by light which has a dominant wavelength of roughly
495–570 nm.

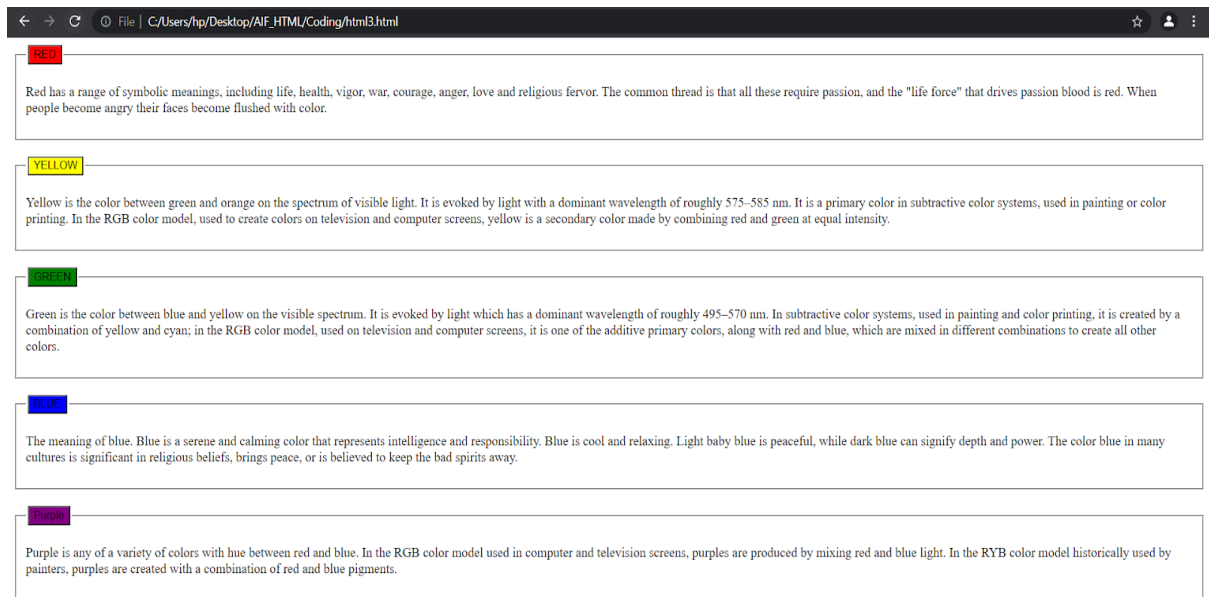
```

```

    In subtractive color systems, used in painting and color printing, it
    is created
    by a combination of yellow and cyan; in the RGB color model,
    used on television and computer screens,
    it is one of the additive primary colors, along with red and blue,
    which are mixed in different combinations to create all other colors. </p>
    </fieldset>
    <br>
    <fieldset>
        <legend> <button type="button" style="background-color: blue;"
    onclick="funBlue('Blue');return false;">BLUE</button></legend>
        <p id="text4">The meaning of blue. Blue is a serene and calming
    color that represents intelligence and responsibility.
        Blue is cool and relaxing. Light baby blue is peaceful, while dark
    blue can signify depth and power.
        The color blue in many cultures is significant in religious beliefs,
    brings peace, or is believed to keep the bad spirits away.</p>
    </fieldset>
    <br>
    <fieldset>
        <legend><button type="button" style="background-color:purple;"
    onclick="funPurple('Purple');return false;">Purple</button></legend>
        <p id="text5">Purple is any of a variety of colors with hue between
    red and blue.
        In the RGB color model used in computer and television
    screens, purples are produced by mixing red and blue light.
        In the RYB color model historically used by painters, purples are
    created with a combination of red and blue pigments.</p>
    </fieldset>
</body>
</html>

```

Output:-



#### 4) Design a Like counter button (Credits :1)

Acceptance Criterion 1: Button should have an icon inside it

AC 2: Display the counter value in a presentable format.

AC 3: One button to increment the value.

AC 4: One button to decrement the value.

Solution:-

```
<html>
<head>
  <title>html file 8</title>
</head>
```

```

<script>
    var number=0;
    function incFun(){
        if(number<100){
            number++;
        }
        else if(number=100){
            number = 0;
        }
        document.getElementById("show").innerHTML = number;
    }
    function decFun(){
        if(number>0){
            --number;
        }
        else if(number =0){
            number =100
        }
        document.getElementById("show").innerHTML= number;
    }
</script>

</style>

<body>
    <fieldset style="background-color: seashell;" align="center"
width="70%" height="80%">
        <legend align="center" style=background-
color:cadetblue>Counter Button </legend>
        <input type="button" value="Increment" onclick="incFun()">
        <label id="show"></label>
        <input type="button" value="Decrement" onclick="decFun()">
    </fieldset>
</body>
</html>

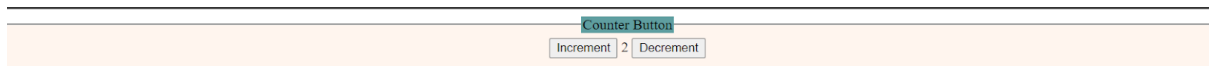
```

Output:-

Increment

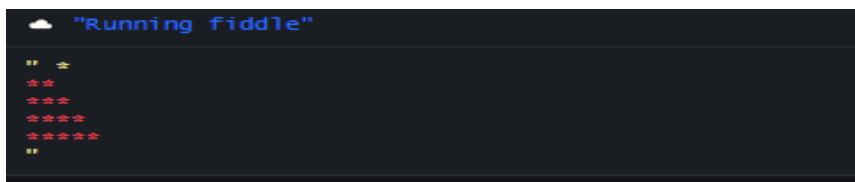
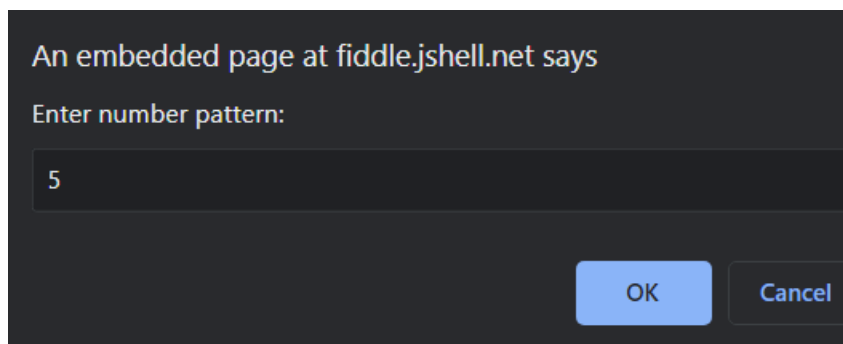
Counter Button		
Increment	11	Decrement

# Decrement



## 5. Print the following star program:

```
6.   Factor of postive number:-
7.   Input:-
8.   var factNumb=prompt("Enter a number:");
9.   for(i=0 ; i<=factNumb ;i++){
10.  if(factNumb%i == 0){
11.  console.log("Factor of postive number:" + i)
12.  }
13.  }
```



## 6. Print the following star program:

```
JavaScript + No-Library (pure JS) ▼

1   let n=5;
2   let string=" ";
3
4   for(let outerLoop=1;outerLoop<=n; outerLoop++){
5     for(let innerLoop1=outerLoop;innerLoop1<=n-1; innerLoop1++){
6       string+=" ";
7     }
8     for(let innerLoop2=1;innerLoop2<=outerLoop; innerLoop2++){
9       string+="*";
10    }
11    string+="\n";
12  }
13  console.log(string);
```

Output:-

```
"Running fiddle"

"      *
      **
     ***
    ****
   *****
  "
"
```

## 7.Design a calculator program

Solution:-

```
<html>
<head>

<title> Calculator by Nikhil Buzz2Day Tech </title>

<link rel="stylesheet" href="calculator style.css">
</head>

<body>
<div class="container">
<fieldset id="container">

<form name="calculator">

<input id="display" type="text" name="display" readonly>

<input class="button digits" type="button" value="7" onclick="calculator.display.value += '7'">
<input class="button digits" type="button" value="8" onclick="calculator.display.value += '8'">
<input class="button digits" type="button" value="9" onclick="calculator.display.value += '9'">

<input class="button mathButtons" type="button" value="+" onclick="calculator.display.value += '+'">

<br>

<input class="button digits" type="button" value="4" onclick="calculator.display.value += '4'">
<input class="button digits" type="button" value="5" onclick="calculator.display.value += '5'">
<input class="button digits" type="button" value="6" onclick="calculator.display.value += '6'">

<input class="button mathButtons" type="button" value="-" onclick="calculator.display.value += '-'">

<br>

<input class="button digits" type="button" value="1" onclick="calculator.display.value += '1'">
<input class="button digits" type="button" value="2" onclick="calculator.display.value += '2'">
```



```

<input class="button digits" type="button" value="3" onclick="calculator.display.value += '3'">

<input class="button mathButtons" type="button" value="X" onclick="calculator.display.value +=
'x'">

<br>

<input id="clearButton" class="button" type="button" value="C" onclick="calculator.display.value =
"">
<input class="button digits" type="button" value="0" onclick="calculator.display.value += '0'">
<input class="button mathButtons" type="button" value="=" onclick="calculator.display.value =
eval(calculator.display.value)">

<input class="button mathButtons" type="button" value="/" onclick="calculator.display.value +=
'/'">

</form>

</fieldset>
</div>

</body>
</html>

```

#### Calculator style.css

```

body {
  background: url(abcd.jpg);
  background-color: #0cd316;
  font-family: Tahoma;
}

.container {
  display: flex;
  align-items: center;
  justify-content: center;
  height: 100vh;
  width: 100vw;
}

#container {
  width: 200px;
  padding: 8px 8px 20px 8px;
  margin: 20px auto;
  background-color: #360664;
  border-radius: 4px;
  border-top: 2px solid #FFF;
  border-right: 2px solid #FFF;
  border-bottom: 2px solid #C1C1C1;
}

```

```
border-left: 2px solid #C1C1C1;
box-shadow: -3px 3px 7px rgba(0, 0, 0, .6), inset -100px 0px 100px rgba(255, 255, 255, .5);
}

#display {
  display: block;
  margin: 15px auto;
  height: 42px;
  width: 174px;
  padding: 0 10px;
  border-radius: 4px;
  border-top: 2px solid #C1C1C1;
  border-right: 2px solid #C1C1C1;
  border-bottom: 2px solid #FFF;
  border-left: 2px solid #FFF;
  background-color: #FFF;
  box-shadow: inset 0px 0px 10px #030303, inset 0px -20px 1px rgba(150, 150, 150, .2);
  font-size: 28px;
  color: #666;
  text-align: right;
  font-weight: 400;
}

.button {
  display: inline-block;
  margin: 2px;
  width: 42px;
  height: 42px;
  font-size: 16px;
  font-weight: bold;
  border-radius: 4px;
}

.mathButtons {
  margin: 2px 2px 6px 2px;
  color: #FFF;
  text-shadow: -1px -1px 0px #44006F;
  background-color: #434343;
  border-top: 2px solid #C1C1C1;
  border-right: 2px solid #C1C1C1;
  border-bottom: 2px solid #181818;
  border-left: 2px solid #181818;
  box-shadow: 0px 0px 2px #030303, inset 0px -20px 1px #2E2E2E;
}

.digits {
  color: #181818;
  text-shadow: 1px 1px 0px #FFF;
  background-color: #EBEBEB;
  border-top: 2px solid #FFF;
```

```

border-right: 2px solid #FFF;
border-bottom: 2px solid #C1C1C1;
border-left: 2px solid #C1C1C1;
border-radius: 4px;
box-shadow: 0px 0px 2px #030303, inset 0px -20px 1px #DCDCDC;
}

.digits:hover,
.mathButtons:hover,
#clearButton:hover {
background-color: #FFBA75;
box-shadow: 0px 0px 2px #FFBA75, inset 0px -20px 1px #FF8000;
border-top: 2px solid #FFF;
border-right: 2px solid #FFF;
border-bottom: 2px solid #AE5700;
border-left: 2px solid #AE5700;
}

#clearButton {
color: #FFF;
text-shadow: -1px -1px 0px #44006F;
background-color: #fa1010;
border-top: 2px solid #FF8484;
border-right: 2px solid #FF8484;
border-bottom: 2px solid #800000;
border-left: 2px solid #800000;
box-shadow: 0px 0px 2px #030303, inset 0px -20px 1px #f5052d;
}

```

Output:-

