WEEK-2

Challenge 1:

Aim: To design an 8x8 checkerboard pattern where alternating cells are black and white and add a hover effect that changes the background color of any square when the mouse is over it.

Description:

In this task, our aim is to design a 8x8 chess board as given in the question . I made it using the table element with styling it using CSS and we also added transition element to the boarf such that when the mouse hover on the box of the chess board we can see it changing into some other color.

Code:

```html
<!DOCTYPE html>
<html>
<head>
  <title>Chess Board</title>
  <style>
    table{
      border: 2px solid;
    }
    .white {
      width: 50px;
      height: 50px;
      background-color: rgb(255, 255, 255);

    }
    .white:hover {
      background-color: rgb(11, 10, 12);
    }
    .black {
      width: 50px;
```

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```
      height: 50px;
      background-color: rgb(104, 75, 32);


    }
    .black:hover {
      background-color: rgb(234, 241, 235);
    }
  </style>
</head>
<body>
  <table>
    <tr>
      <td class="black"></td><td class="white"></td>
      <td class="black"></td><td class="white"></td>
      <td class="black"></td><td class="white"></td>
      <td class="black"></td><td class="white"></td>
    </tr>
    <tr>
      <td class="white"></td><td class="black"></td>
      <td class="white"></td><td class="black"></td>
      <td class="white"></td><td class="black"></td>
      <td class="white"></td><td class="black"></td>
    </tr>
    <tr>
      <td class="black"></td><td class="white"></td>
      <td class="black"></td><td class="white"></td>
      <td class="black"></td><td class="white"></td>
      <td class="black"></td><td class="white"></td>
    </tr>
    <tr>
      <td class="white"></td><td class="black"></td>
      <td class="white"></td><td class="black"></td>
      <td class="white"></td><td class="black"></td>
      <td class="white"></td><td class="black"></td>
    </tr>
    <tr>
      <td class="black"></td><td class="white"></td>
      <td class="black"></td><td class="white"></td>
```
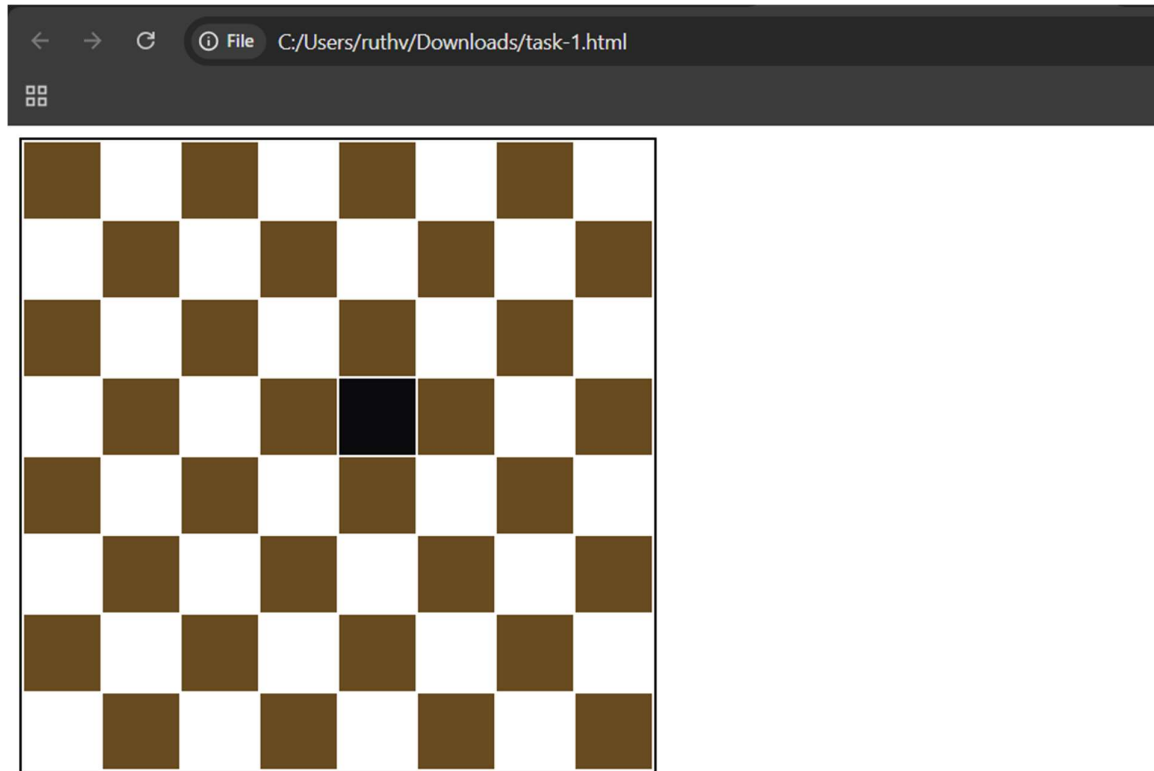
```html
      <td class="black"></td><td class="white"></td>
      <td class="black"></td><td class="white"></td>
    </tr>
    <tr>
      <td class="white"></td><td class="black"></td>
      <td class="white"></td><td class="black"></td>
      <td class="white"></td><td class="black"></td>
      <td class="white"></td><td class="black"></td>
    </tr>
    <tr>
      <td class="black"></td><td class="white"></td>
      <td class="black"></td><td class="white"></td>
      <td class="black"></td><td class="white"></td>
      <td class="black"></td><td class="white"></td>
    </tr>
    <tr>
      <td class="white"></td><td class="black"></td>
      <td class="white"></td><td class="black"></td>
      <td class="white"></td><td class="black"></td>
      <td class="white"></td><td class="black"></td>
    </tr>

  </table>
</body>
</html>
```

Output:

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Challenge 2:

Aim: To make a heading that reads "VIBGYOR IMPLEMENTATION" styled appropriately.

•   A set of vertically aligned, evenly spaced colored columns (matching the VIBGYOR sequence).

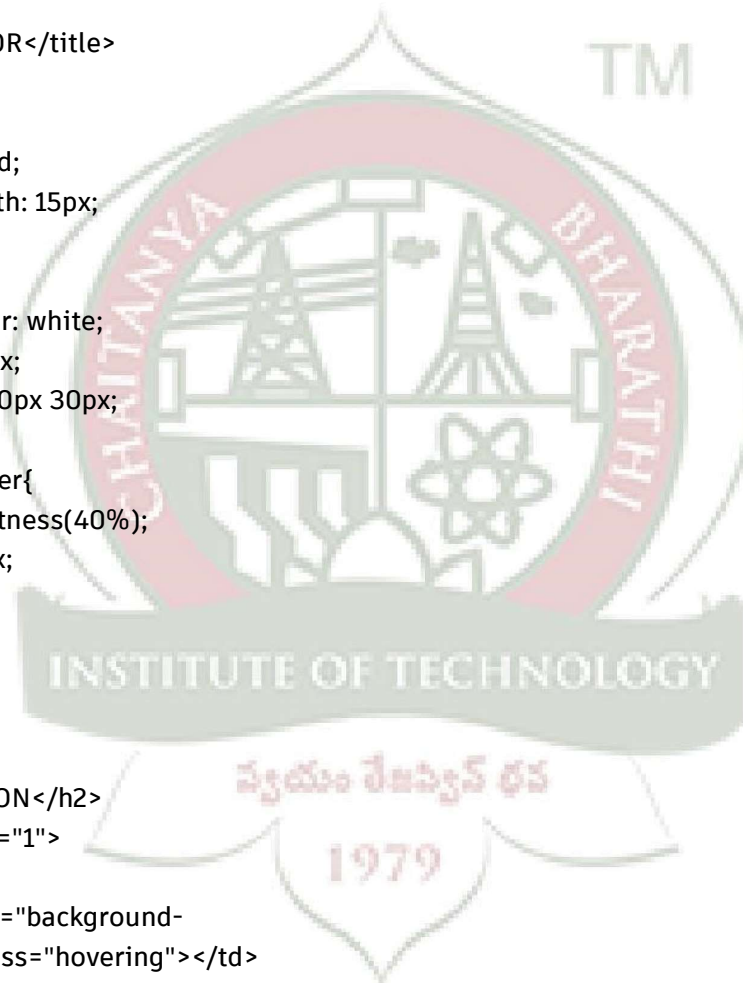•   Add hover effects to change the brightness of each column when hovered over.

Description:

In this experiment we were given a task to make a webpage which describes VIBGYOR Implementation such that in a table a we take 7 boxes as shown in the html page below and

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we color those boxes with different colors in the page and when the user hovers on any one of it he can see the change in brightness of that specific box as shown in the page .

Code:

```
<!DOCTYPE html>
<html>
<head>
   <title>VIBGYOR</title>
   <style>
   table{
      border: solid;
      border-width: 15px;
   }
   td{
      border-color: white;
      margin: 15px;
      padding: 120px 30px;
   }
   .hovering:hover{
      filter: brightness(40%);
      border:50px;
   }
   </style>
</head>
<body>
   <h2>VIBGYOR
IMPLEMENTATION</h2>
   <table border="1">
     <tr>
       <td  style="background-
color:violet " class="hovering"></td>
       <td  style="background-
color:indigo" class="hovering"></td>
       <td  style="background-
color:blue" class="hovering"></td>
       <td  style="background-
color:green" class="hovering"></td>
       <td  style="background-
color:yellow" class="hovering"></td>
```
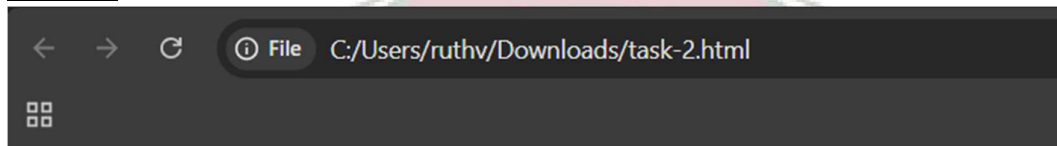
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```
        <td style="background-
color:orange" class="hovering"></td>
        <td style="background-
color:red" class="hovering"></td>
      </tr>
    </table>
</body>
</html>
```

Output:

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