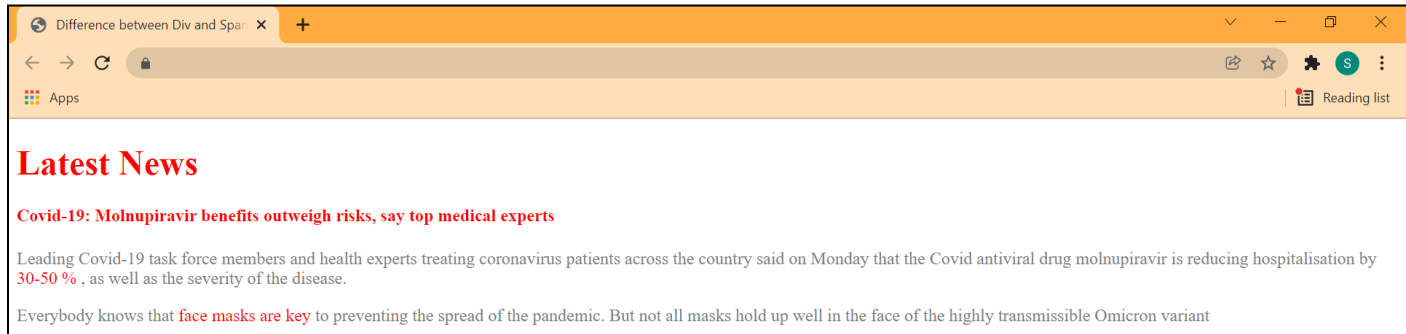


Practice code - Grouping Elements

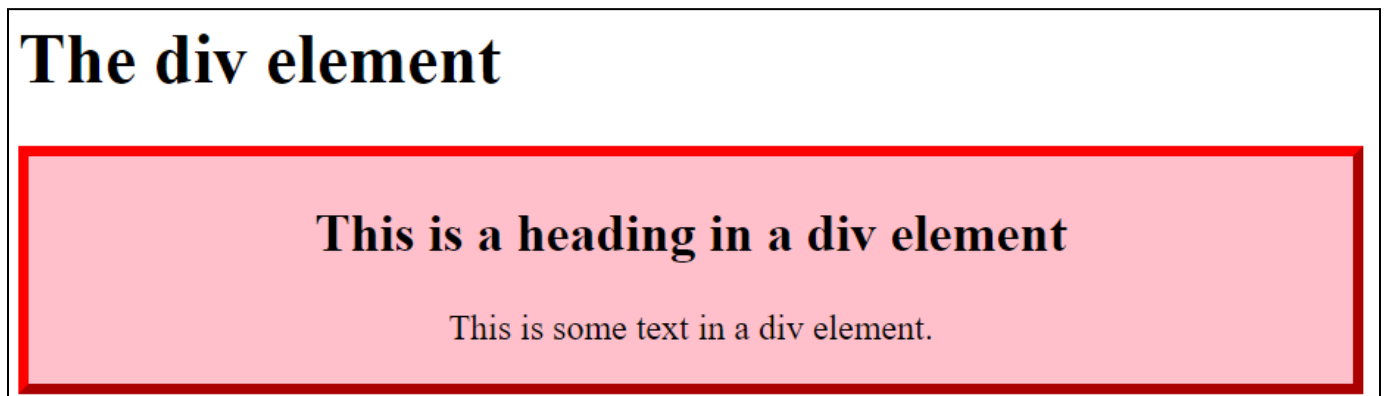
Problem Statement 1: Span

Create a simple paragraph and differentiate certain words in the paragraph using the `` element.



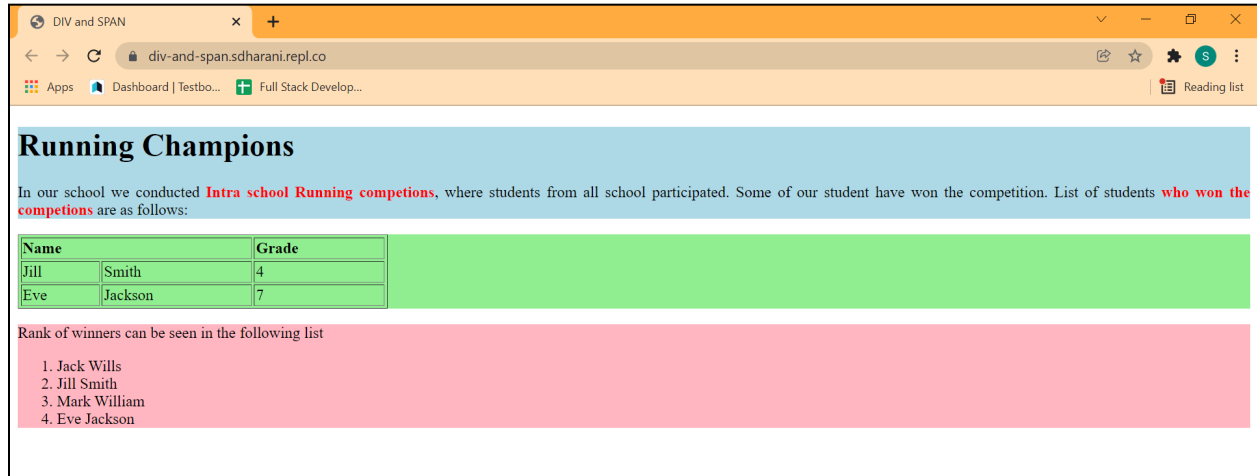
Problem Statement 2: Div

Create a web page with heading and paragraph. Wrap them with `<div>` element and add styles to it.



Problem Statement 3: Div and simple external styles

Create a webpage that has multiple HTML elements like headings, paragraphs, table, list... separate the elements using <div> element and add simple styles to them.



Problem Statement 4: Portfolio using <div> and

Create a simple portfolio web page with multiple sections and add simple styles to them using <div> and elements.



Problem Solutions:

Problem statement 1: Span

```
<!DOCTYPE html>
<html>
  <head>
    <title>Difference between Div and Span</title>
    <!--Apply styles using the class names this is known as class
selector, you will learn about this in detail -->
    <!-- Same style is applied to class header and highlights-->
    <style>
      .header, .highlights{
        color: red;
      }
      .content{
        color: grey;
      }
    </style>

  </head>
  <body>
    <!-- the main class encapsulates header and content divisions, if any
style is applied to main class then those styles will be applicable to
header and content divisions-->
    <div class="main">
      <!-- header class division-->
      <div class="header">
        <h1>Latest News</h1>
        <h4>Covid-19: Molnupiravir benefits outweigh risks, say top
medical experts</h4>
      </div>
      <!-- content class division-->
      <div class="content">
        <p>
          Leading Covid-19 task force members and health experts treating
          coronavirus patients across the country said on Monday that the Covid
          antiviral drug molnupiravir is reducing hospitalisation by
          <!-- the span is included inside the paragraph and a seperate
```

```
style is applied to it-->
    <span class="highlights"> 30-50 % </span>, as well as the
severity of the disease.
</p>
<p>
    Everybody knows that
    <!-- the span is included inside the paragraph and a seperate
style is applied to it--><span class="highlights">face masks are key
</span> to preventing the spread of the pandemic. But not all masks hold
up well in the face of the highly transmissible Omicron variant
</p>
</div>
</div>
</body>
</html>
```

Problem statement 2: Div

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>

<h1>The div element</h1>

<div style="border: 5px outset red; background-color: pink; text-align:
center;">
    <h2>This is a heading in a div element</h2>
    <p>This is some text in a div element.</p>
</div>

</body>
</html>
```

Problem statement 3: Div and simple external styles

```
<!DOCTYPE html>
<html>
  <head>
    <!--Title of the web page-->
    <title>DIV and SPAN</title>
    <!--styles given using the class name of the divisions-->
    <style>
      .main{
        text-align: justify;
      }
      .highlights{
        color: red;
        font-weight: bold;
      }
      .content{
        background-color: lightblue;
      }
      .table{
        background-color: lightgreen;
      }
      .lists{
        background-color: lightpink;
      }
    </style>
  </head>
  <body>
    <div class="main">
      <div class="content">
        <!--Content with highlights-->
        <h1>Running Champions</h1>
        <p>In our school we conducted <span class="highlights">Intra
school Running competitions</span>, where students from all school
participated. Some of our student have won the competition. List of
```

students who won the competitions are as follows:</p>

</div>

<div class="table">

<table border="1" style="width:30%">

<!--Header row-->

<tr>

<th colspan="2">Name</th>

<th>Grade</th>

</tr>

<!--Data row 1-->

<tr>

<td>Jill</td>

<td>Smith</td>

<td>4</td>

</tr>

<!--Data row 2-->

<tr>

<td>Eve</td>

<td>Jackson</td>

<td>7</td>

</tr>

</table>

</div>

<div class="lists">

<p>Rank of winners can be seen in the following list</p>

<!-- ordered list-->

Jack Wills

Jill Smith

Mark William

Eve Jackson

</div>

</div>

</body>

</html>

Problem statement 4: Portfolio using <div> and

```
<!DOCTYPE html>
<html>
  <head>
    <!--title of the web page-->
    <title>portfolio</title>
    <!--styles for classes-->
    <style>
      .intro{
        background-color: lightblue;
      }
      .about{
        background-color: lightgreen;
      }
      .experience{
        background-color: lightpink;
      }
      .skills{
        background-color: orange;
      }
      .hobbies{
        background-color: skyblue;
      }
      .highlights{
        color: red;
        font-weight: bold;
      }
    </style>
  </head>
  <body>
    <!--Main division-->
    <div class="main">
      <!--seperate division for intro-->
      <div class="intro">
        <h2>Hi I'm Kunal</h2>
      </div>
      <!--seperate division for about content and some part of the text
are highlighted using span-->
```

```
<div class="about">
  <h2>About me</h2>
  <p>Thanks for visiting my web page. My name is Kunal. I've
completed my graduation in the year <span class="highlights">2019</span>
in the stream <span class="highlights">Electronics and Communication
Engineering</span> in <span class="highlights">IIT Roorkee.</span></p>
</div>

<!--seperate division for experience content and some part of the
text are highlighted using span-->
<div class="experience">
  <h2>My Experience</h2>
  <p>Right after my graduation I started my carrer as a <span
class="highlights"> Software Engineer</span>. As a Software Engineer
I've a work experience of 2.8 years.</p>
</div>

<!--seperate division for skill set listed in order-->
<div class="skills">
  <h2>My Skill set</h2>
  <ol>
    <li>HTML, CSS, JS</li>
    <li>React</li>
    <li>Python Flask</li>
    <li>Database</li>
  </ol>
</div>

<!--seperate division for hobbies listed in unordered list-->
<div class="hobbies">
  <h2>My hobbies</h2>
  <ul>
    <li>Drawing</li>
    <li>Photography</li>
    <li>Design</li>
    <li>Programming</li>
    <li>Computer Science</li>
  </ul>
</div>
</div>
</body>
</html>
```