COMBINATORS TASK

HTML CODE-1:

```html
<div class="container">
 <p class="text">This is a paragraph inside a container.</p>
 <span class="text">This is a span inside the container.</span>
</div>
<div class="parent">
    <div class="child">Direct child 1</div>
    <div class="child">Direct child 2</div>
     <div>
      <div class="child">Nested child 2</div>
     </div>
     <div>
      <div>
        <div class="child">Deeply nested child 3</div>
      </div>
     </div>
    </div>
<div class="box">This is a box. </div>
<div class="content">This is a content div.</div>
 <h2>This is a heading</h2>
 <p>This paragraph is immediately following the heading and
will have green text.</p>
 <p>This is another paragraph, but it won't be affected by the
adjacent sibling combinator. </p>
 <div class="highlight">Highlighted Div</div>
 <p>This paragraph comes after the highlighted div.</p>
 <ul>
<li>List Item 1</li>
 <li>List Item 2</li>
 </ul>
```

```
<div class="parent">
    <div class="parent">
      <div class="child">Direct child 1</div>
      <div class="child">Nested child 2</div>
      <div class="child">Deeply nested child 3</div>
    </div>
```

QUESTIONS:

1. Descendant Combinator*

1.Write a CSS rule to apply a red color to all <p> and <span> elements inside the .container class.

Answer:

```
.container p,

.container span{

   color: red;

}
```

2. Write a CSS rule to set the font weight to bold for all. child elements that are nested inside any <div> within the. parent class.

Answer:

```
.parent div .child{

   font-weight: bold;

}
```

2.Child Combinator*

1. Write a CSS rule to apply a green background only to the direct. child elements of the. parent class, excluding nested. child elements.

Answer:

```
. parent>. child {

    background-color: green;

}
```

2. How would you apply a 2px solid black border and background-color to the direct. child elements of. Parent.

Answer:

```
. parent>. child {

    border: 2px solid black;

    background-color: antiquewhite;

}
```

3. Adjacent Sibling Combinator*

1. Use the adjacent sibling combinator to apply a dashed border to the. content div that immediately follows a. box element.

Answer:

```
. box +. content {

    border: 2px dashed black;

  }
```

2. How would you select the <ul> element that follows a <p> element, which follows a. highlight div, and make its list items italic.

Answer:

```
. highlight + p + ul li {

    font-style: italic;

}
```

4.General Sibling Selector*

1. Apply a background color of yellow to all. child elements that come after. child with the class Direct child 1 inside. parent.

Answer:

```
. parent>. child ~. child {

   background-color: yellow;

 }
```

2. Write a CSS rule to change the text color to purple for all. child elements that appear after. child with the class Deeply nested child 3 inside. parent.

Answer:

```
. parent. child ~. child {

color: purple;

 }
```