

Positions in CSS

Assignment

Solution

Questions And Answer:-

Q1. Task 1: Problem Statement:

Write code to position 5 equal-sized (50px X 50px) boxes A,B,C,D and E as follows,

- 1. box A 200px from left, and 200px from the top of the viewport.**
- 2. box B -30px left, and -30px above from the center of box A.**
- 3. box B -30px right and -30px above from the center of box A.**
- 4. box B -30px left, and -30px below from the center of box A.**
- 5. box B -30px right, and -30px below from the center of box A.**

Ans:- !DOCTYPE html>

```
<html lang="en">

<head>

    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>

<style>

    .box{
        width: 50px;
        height:50px;
        background-color: aqua;
        border: 1px solid lightgreen;
        text-align: center;
    }

    .a{
        position: relative;
        top: 200px;
        left: 200px;
    }
</style>
```

```
}

.b{
    position: absolute;
    left: -30px;
    bottom: 30px;
}

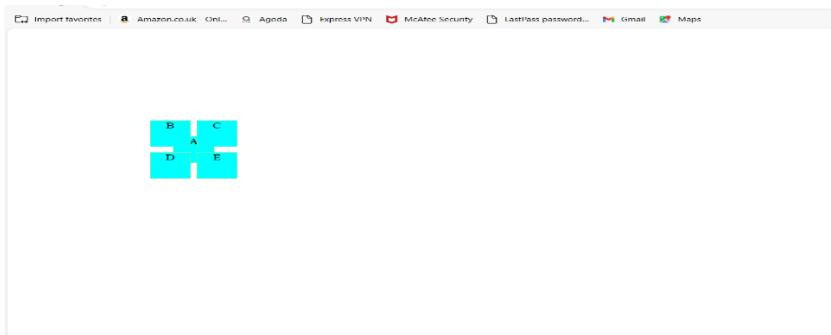
.c{
    position: absolute;
    right: -30px;
    bottom: 30px;
}

.d{
    position: absolute;
    left: -30px;
    top: 30px;
}

.e{
    position: absolute;
    right: -30px;
```

```
    top: 30px;  
}  
</style>  
<body>  
    <div class="box a">A  
        <div class=" box b">B</div>  
        <div class=" box c">C</div>  
        <div class=" box d">D</div>  
        <div class=" box e">E</div>  
    </div>  
</body>  
</html>
```

Output:-



Q2. Problem statement:

Explain the difference between Absolute and relative Positioning .

Absolute	Relative
<p>* An element with position: absolute; will cause it to adjust its position with respect to its parent. If no parent is present, then it uses the document body as parent</p>	<p>*Setting the top, right, bottom, and left properties of an element with position: relative; property will cause it to adjust from its normal position. The other objects or elements will not fill the gap.</p>
<p>* When position: absolute is given to an element the element can be placed precisely where one wants to.</p>	<p>* When position:relative is given to an element without any other attributes (top, bottom, left, right) nothing will happen.</p>
<p>*syntax:</p> <pre>{ position: absolute; }</pre>	<p>* Syntax:</p> <pre>{ position: relative; }</pre>

<ul style="list-style-type: none"> The element is positioned nearest to the first relatively or absolutely positioned parent element. 	<ul style="list-style-type: none"> * The child of this element can be positioned within this block only. So position:relative has its limitations.
<ul style="list-style-type: none"> When there is no parent element the absolutely positioned element is positioned directly to the HTML page itself. 	<p>when an attribute left:20px is added the element moves 20px to the right from its normal position. The element effects no other element on the layout. Other content will not be adjusted to fit into any gap left by the element.</p>

Q3. Create a card as shown in the picture below (you can use css float property only for layout).

Ans:- <!DOCTYPE html>

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">  
  <meta name="viewport" content="width=device-width, initial-scale=1.0">  
  <title>Document</title>  
  
<style>  
  img{  
    float: right;  
  }  
  
.card{  
  width: 850px;  
  height:200px;  
  padding: 10px;  
  background-color: beige;  
  border: 5px solid black;  
}  
  
</style>  
</head>  
<body><div class="card">
```



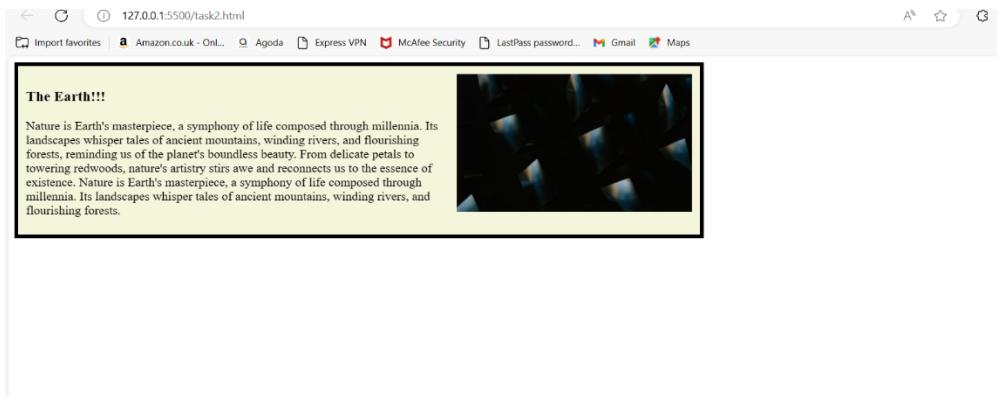
The Earth!!!

Nature is Earth's masterpiece, a symphony of life composed through millennia. Its landscapes whisper tales of ancient mountains, winding rivers, and flourishing forests, reminding us of the planet's boundless beauty. From delicate petals to towering redwoods, nature's artistry stirs awe and reconnects us to the essence of existence.

Nature is Earth's masterpiece, a symphony of life composed through millennia. Its landscapes whisper tales of ancient mountains, winding rivers, and flourishing forests.

```
</html>
```

Output:-



Q4. Problem Statement:

Create a simple header that sticks to the top of a web page upon scrolling.

Ans:- <!DOCTYPE html>

```
<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <link rel="stylesheet" href=".task.css">

</head>
```

```
<body>

    <div class="main">

        <header class="header">

            <div class="logo">LOGO</div>

            <div class="list">

                <ul>

                    <li class="active">Home</li>

                    <li>Pricing</li>

                    <li>contact</li>

                    <li> Term and Condition</li>

                    <li><button>Get started</button></li>

                </ul>

            </div>

        </header>

        <main>

            <section>

                <h3>Heading 1</h3>

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```

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<section>

<h3>Heading 2</h3>

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</section>

<section>

<h3>Heading 3</h3>

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```
</section>

</main>

</div>

</body>

</html>
```

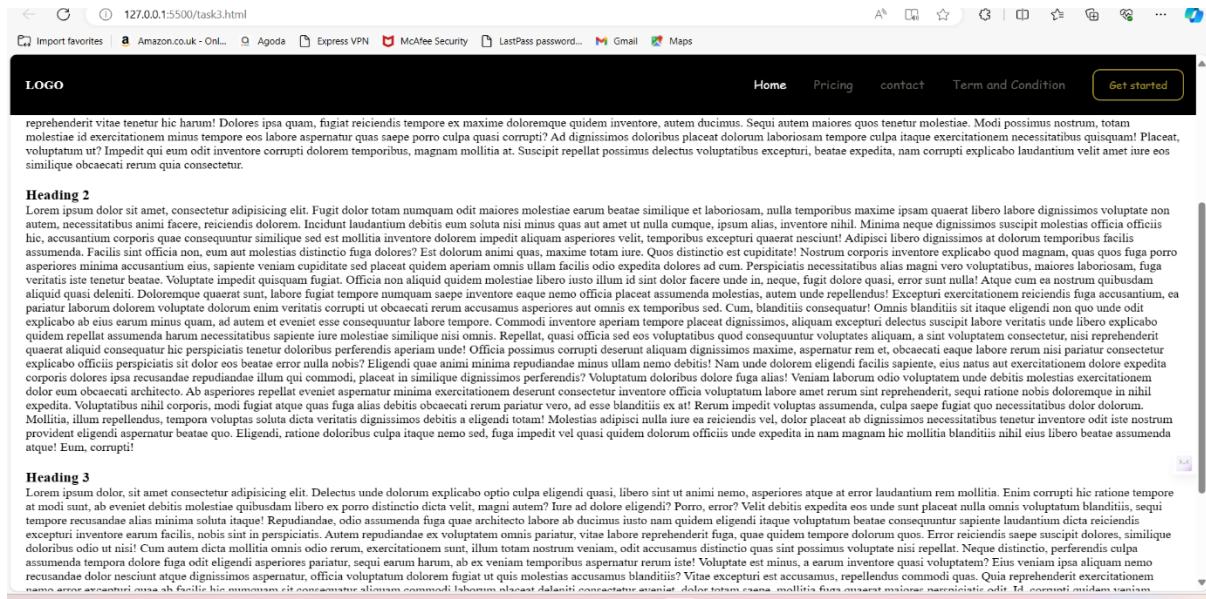
Task.css:

```
*{
    padding: 0px;
    margin: 0px;
}

.header{
    position:sticky;
    top: 0px;
    height: 80px;
    color: white;
    background-color:black;
}
```

```
.logo{  
    position: absolute;  
    top: 0px;  
    bottom: 0px;  
    left: 20px;  
    margin: auto 0px;  
    height: fit-content;  
    font-weight: bold;  
}  
  
.list{  
    position: absolute;  
    top: 0px;  
    bottom: 0px;  
    right: 0px;  
    margin: auto 0px;  
    height: fit-content;  
    font-family:"Red Rose",cursive;  
}
```

Output:-



Q5. Problem Statement:-

Explain the z-index with a code example

Ans:- z-index is the CSS property that controls the stacking order of overlapping elements on a page. An element with a higher z-index value will appear in front of an element with a lower z-index value. The property is called “z-index” because it sets the order of elements along the z-axis

Code example:

```
<!DOCTYPE html>

<html lang="en">

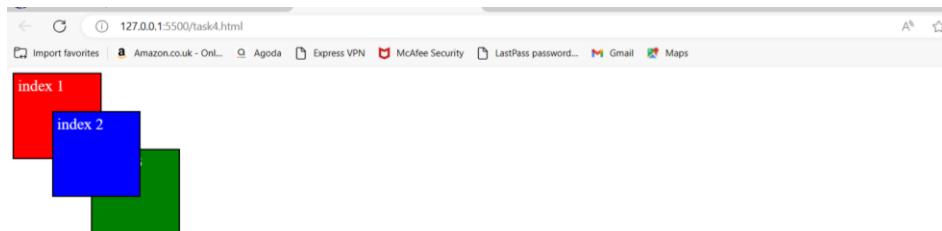
<head>
```

```
<meta charset="UTF-8">  
<meta name="viewport"  
content="width=device-width, initial-scale=1.0">  
<title>Document</title>  
<style>  
    .container{  
        position: relative;  
    }  
    .box{  
        position: absolute;  
        width: 100px;  
        height: 100px;  
        font-size: 20px;  
        color: white;  
        padding: 5px;  
        border: 2px solid black;  
    }  
</style>
```

```
.a{  
    background-color: red;  
}  
  
.b{  
    left: 50px;  
    top: 50px;  
    background-color: blue;  
    z-index: 1;  
}  
  
.c{  
    left: 100px;  
    top: 100px;  
    background-color: green;  
}  
  
</style>  
</head>  
<body>
```

```
<div class="container">  
    <div class= "box a">index 1</div>  
    <div class=" box b">index 2</div>  
    <div class=" box c">index 3</div>  
</div>  
</body>  
</html>
```

Output:-



Complete

