Position on CSS Assignment
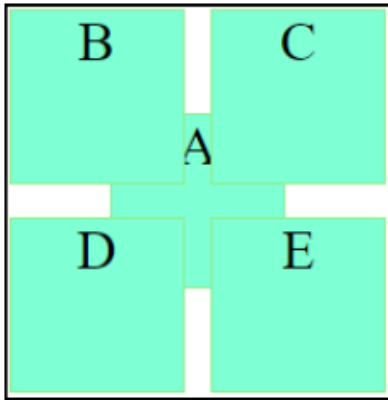
Task 1:

Problem Statement

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

1. box A 200px from the 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.

Expected Output

Ans:

Code:

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

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>box</title>
    <style>
        *{
            margin: 0;
            padding: 0;
            box-sizing: border-box;
        }
        body{
            background-color: #ffffff;
            position:relative;
            height: 100vh;
```
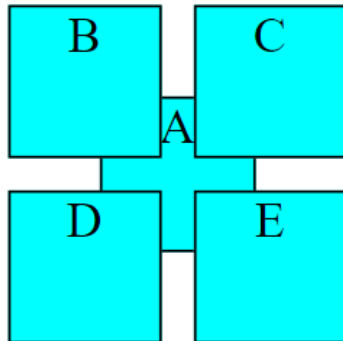
```css
        }
        .box{
            width: 50px;
            height: 50px;
            background-color: aqua;
            color: black;
            display: flex;
            justify-content: center;
            align-items: top;
            position:absolute;
            border: 1px solid black;
        }
        #boxB{
            top:170px;
            left: 170px;
            z-index: 1;
        }
        #boxC{
            top:170px;
            left: 230px;
            z-index: 2;
        }
        #boxD{
            top:230px;
            left: 170px;
            z-index: 3;
        }
        #boxE{
            top:230px;
            left: 230px;
            z-index: 4;
        }
        #boxA{
            top: 200px;
            left: 200px;
            z-index: 0;
        }
    </style>
</head>
<body>
    <div class="box" id="boxB">B</div>
    <div class="box" id="boxC">C</div>
    <div class="box" id="boxD">D</div>
    <div class="box" id="boxE">E</div>
    <div class="box" id="boxA">A</div>
</body>
</html>
```

Output:

2. Explain the difference between Absolute and Relative positioning.

Ans:

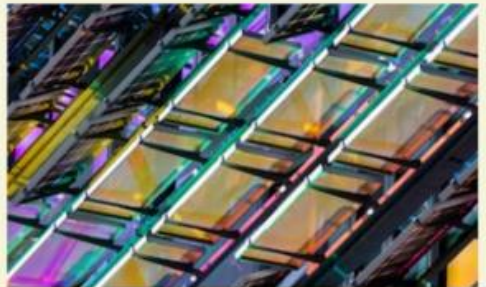| Absolute	Relative
Element will be positioned relative to the closest positioned ancestor	Element will be positioned relative to its original position
Element will be removed from normal document flow	Element will remain in normal document flow

3.

Problem Statement

Create a card as shown in the picture below. (You can use CSS float property only for layout).

Expected Output

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.

Ans:

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

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>card</title>
    <style>
        * {
            padding: 0;
            margin: 0;
            box-sizing: border-box;
        }

        body {
            font-family: 'Arial', sans-serif;
            background-color: #f0f0f0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
        }

        .card {
            border: 1px solid #7d7575;
            background-color: #dcdcdc;
            padding: 20px;
            max-width: 1000px;
            width: 100%;
            border-radius: 8px;
            overflow: hidden;
        }
        .card-title {
            margin-top: 10px;
        }
        .card-image {
            float: right;
            margin: -35px 0 0 0;
            max-width: 400px;
            height: 240px;
            border-radius: 18px;
        }
        .card-text {
            font-size: 16px;
            line-height: 1.6;
```

```
            }

        h3 {
            padding-bottom: 15px;
        }
    </style>
</head>

<body>
    <div class="card">
        <h3 class="card-title"> The Earth!!! </h3>
        <img src="earth.jpg" alt="nature Image" class="card-image">
        <p class="card-text"> 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.
        </p>
    </div>
</body>

</html>
```
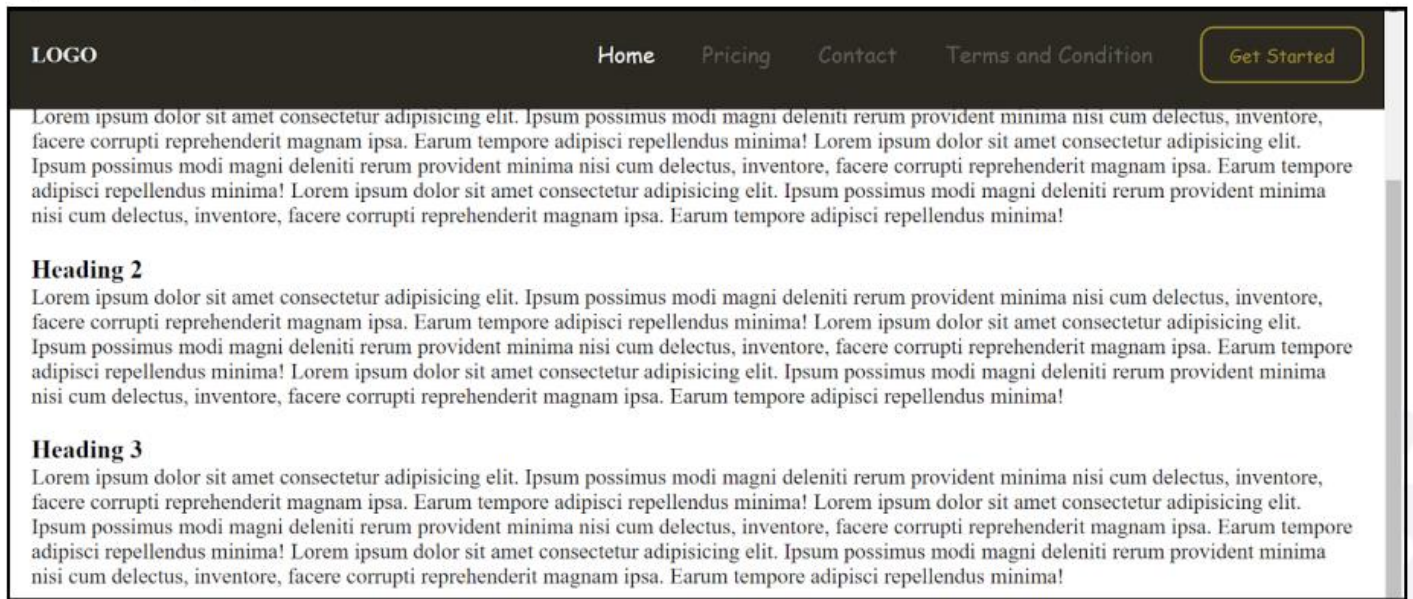
Output:

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.

4. Create a simple header that sticks to the top of a webpage upon scrolling.

Expected Output

Ans:

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

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Sticky Header Example</title>
    <style>
        *{
            padding: 0;
            margin: 0;
            font-family: Arial, sans-serif;
        }
        .header{
            position: sticky;
            padding:20px ;
            background-color:#333 ;
            color: white;
            top:0;
            left: 0;
```

```css
            right: 0;
            display: flex;
            justify-content: space-between;
        }
        .nav a{
            color: rgb(170, 166, 166);
            text-decoration: none;
            margin: 0 10px;
            padding:5px 0;
        }
        /* .nav button{
            color:yellow ;
            background-color: black;

        } */
        .get-started{
            border: 1px solid#ffcc00;
            border-radius: 8px;
            color:#ffcc00;
            padding: 10px 20px;
            cursor: pointer;
            background-color: transparent;
        }

        .content{
            padding: 0 20px;
        }
        .content h1{
            margin-top: 40px;
        }
        .content p{
            margin : 20px 0;
            line-height:1.6;
        }

        a:hover{
            color: white;
        }
        .logo{
            display: flex;
            align-items: center;
        }
    </style>
</head>
<body>
    <header class="header">
        <div class="logo">LOGO</div>
        <nav class="nav">
```

```html
            <a href="#"> Home</a>
            <a href="#"> Pricing</a>
            <a href="#"> Contact</a>
            <a href="#"> Terms and Conditions</a>
            <button class="get-started"> Get Started</button>
        </nav>
    </header>
    <div class="content">
        <h1> Heading 1</h1>
        <p>Lorem ipsum dolor, sit amet consectetur adipisicing elit. Unde maiores blanditiis
incidunt libero nondignissimos molestias sed explicabo reiciendis doloremque.</p>

        <h1> Heading 2</h1>
        <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Porro quidem deleniti
rem autem ipsam, cumque exercitationem facilis iusto qui commodi omnis blanditiis mollitia
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A quod eos quae numquam aliquid quia, alias maiores placeat sed ullam excepturi iusto?</p>

        <h1> Heading 3</h1>
        <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Neque, cum! Neque
suscipit, dignissimos accusantium dolorum ut voluptatem aliquam corporis impedit, animi magni
inventore quos ad deleniti ipsum? Voluptate nulla quae minus modi veniam voluptatem
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ea iure, aliquid id numquam blanditiis qui maxime! Voluptate quisquam voluptatem, vel
blanditiis praesentium corporis quia.

        Lorem, ipsum dolor sit amet consectetur adipisicing elit. Facere voluptates
perspiciatis quas incidunt quam, rerum cumque asperiores hic, tenetur earum dicta provident.

        Lorem ipsum dolor sit amet consectetur adipisicing elit. Quisquam, quibusdam,
reiciendis quo saepe voluptate error aut nostrum ratione fuga dignissimos odio unde, repellat
amet sint itaque similique quam voluptatem provident!
        </p>
    </div>
</body>

</html>
```

Output:

LOGO   Home   Pricing   Contact   Terms and Conditions   [Get Started]

Heading 1

Lorem ipsum dolor, sit amet consectetur adipisicing elit. Unde maiores blanditiis incidunt libero nondignissimos molestias sed explicabo reiciendis doloremque.

Heading 2

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Porro quidem deleniti rem autem ipsam, cumque exercitationem facilis iusto qui commodi omnis blanditiis mollitia neque placeat doloremque amet aperiam odit dolorem eaque sapiente esse atque repellat optio. A quod eos quae numquam aliquid quia, alias maiores placeat sed ullam excepturi iusto?

Heading 3

5. 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

Code:

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

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>box</title>
    <style>
        *{
            margin: 0;
            padding: 0;
            box-sizing: border-box;
        }
        body{
            background-color: #ffffff;
            position:relative;
            height: 100vh;
        }
        .box{
            width: 50px;
            height: 50px;
            background-color: aqua;
            color: black;
            display: flex;
            justify-content: center;
            align-items: top;
            position:absolute;
            border: 1px solid black;
        }
        #boxA{
            top: 200px;
```

```css
            left: 200px;
            z-index: 0;
        }


    #boxB{
            top: 230px;
            left: 230px;
            z-index: 1;
        }


    #boxC{
            top: 260px;
            left: 260px;
            /* z-index: 2; */
        }
    #boxD{
            top: 290px;
            left: 290px;
            z-index: 3;
        }
    #boxE{
            top: 320px;
            left: 320px;
            /* z-index: 4; */
        }
    </style>
</head>

<body>
    <div class="box boxa" id="boxB">B</div>
    <div class="box" id="boxC">C</div>
    <div class="box" id="boxD">D</div>
    <div class="box" id="boxE">E</div>
    <div class="box" id="boxA">A</div>
</body>

</html>
```

Output: