

## Day 30

**Assignment3: Apply the CSS box model to ensure that your page content has appropriate margins and padding. Create a layout using div tags and style them to arrange content in a multi-column format using floats or flexbox.**

**A)**

### Html code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Multi-column Layout</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <div class="container">
    <div class="column">
      <h2>Column 1</h2>
      <p>This text is a commonly used placeholder or dummy text in design and publishing. It's often used to demonstrate various text formatting and layout designs.
    </p>
    </div>
    <div class="column">
      <h2>Column 2</h2>
      <p>This text is also commonly used as placeholder or dummy text in design and publishing. It's meant to showcase various text formatting and layout designs, and doesn't have a specific meaning.
    </p>
    </div>
    <div class="column">
      <h2>Column 3</h2>
      <p>This text is also commonly used as placeholder or dummy text in design and publishing. It's intended to showcase various text formatting and layout designs, and doesn't have a specific meaning.
    </p>
    </div>
  </div>
</body>
</html>
```

### CSS code:

```

body {
  font-family: Arial, sans-serif;
  margin: 0;
  padding: 0;
}

.container {
  display: flex;
  justify-content: space-between;
  padding: 20px;
}

.column {
  flex: 0 1 30%; /* Flex-basis: 30% to allow for 3 columns */
  background-color: #f0f0f0;
  padding: 20px;
  margin-right: 20px; /* Adds margin between columns */
  box-sizing: border-box; /* Ensures padding is included in the width */
}

.column:last-child {
  margin-right: 0; /* Remove margin from last column */
}

h2 {
  margin-top: 0;
}

/* CSS3 Animations */
@keyframes fadeIn {
  from {
    opacity: 0;
  }
  to {
    opacity: 1;
  }
}

.column {
  animation: fadeIn 1s ease-in-out;
}

/* Media Queries */
@media (max-width: 768px) {
  .container {
    flex-wrap: wrap;
  }

  .column {
    flex: 0 1 100%; /* Full width on small screens */
  }
}

```

```
    margin-bottom: 20px; /* Add margin between columns */  
  }  
}
```