Assignment No 03:

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.

1. Using float

HTML Structure:

Create a simple HTML structure with div tags for the layout:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Float Layout</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <div class="container">
        <header>Header</header>
        <nav>Navigation</nav>
        <section class="content">
            <article>Main Content</article>
            <aside>Sidebar</aside>
        </section>
        <footer>Footer</footer>
    </div>
</body>
</html>
```

CSS: -

```css
/* Reset margin and padding */
* {
    margin: 0;
    padding: 0;
```

```css
    box-sizing: border-box;
}

/* Container */
.container {
    width: 90%;
    margin: 0 auto;
    padding: 10px;
    border: 1px solid #ccc;
}

/* Header, Navigation, Footer */
header, nav, footer {
    background-color: #f4f4f4;
    padding: 10px;
    margin-bottom: 10px;
    border: 1px solid #ddd;
}

/* Navigation */
nav {
    width: 20%;
    float: left;
    margin-right: 10px;
}

/* Content Area */
.content {
    width: 75%;
    float: left;
    display: flex;
    gap: 10px;
}

/* Article */
article {
    background-color: #e4e4e4;
    padding: 10px;
    flex: 1;
    border: 1px solid #bbb;
}

/* Sidebar */
aside {
    background-color: #d4d4d4;
    padding: 10px;
    flex: 0.3;
    border: 1px solid #aaa;
```

```
}

/* Clear floats */
footer {
    clear: both;
}
```

Output: -

Header

| Navigation | Main Content | Sidebar |

| Footer |