

The screenshot shows a dark-themed instance of Visual Studio Code. In the center is the code editor displaying an HTML file named `Flexbox.html`. The code is as follows:

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8">
5     <title>Flexbox Header</title>
6     <link rel="stylesheet" href="style.css">
7     <meta name="viewport" content="width=device-width, initial-scale=1.0">
8   </head>
9   <body>
10    <header class="header">
11      <!-- Left Section -->
12      <div class="logo">
13        | MyWebsite
14      </div>
15
16      <!-- Center Section -->
17      <nav class="nav">
18        <a href="#">Home</a>
19        <a href="#">About</a>
20        <a href="#">Services</a>
21        <a href="#">Contact</a>
22      </nav>
23
24      <!-- Right Section -->
25      <div class="cta">
26        <button>Get Started</button>
27    </header>
```

Below the code editor, the terminal window shows the command:

```
shivam@Shivams-MacBook-Air ~ % source /Users/shivam/.venv/bin/activate
(.venv) shivam@Shivams-MacBook-Air ~ %
```

```
9   <body>
10  <header class="header">
11    <!-- Left Section -->
12    <div class="logo">
13      MyWebsite
14    </div>
15
16    <!-- Center Section -->
17    <nav class="nav">
18      <a href="#">Home</a>
19      <a href="#">About</a>
20      <a href="#">Services</a>
21      <a href="#">Contact</a>
22    </nav>
23
24    <!-- Right Section -->
25    <div class="cta">
26      <button>Get Started</button>
27    </div>
28  </header>
29
30
31  </body>
32  </html>
```



PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

shivam@Shivams-MacBook-Air ~ % source /Users/shivam/.venv/bin/activate  
(.venv) shivam@Shivams-MacBook-Air ~ %

A screenshot of the Visual Studio Code (VS Code) interface. The central area shows a code editor with a file named "style.css". The code is written in CSS and defines styles for a header section, including a sticky header and a logo font size. The code editor has syntax highlighting with yellow for comments, blue for keywords, and red for errors. The status bar at the bottom shows the terminal command: "shivam@Shivams-MacBook-Air ~ % source /Users/shivam/.venv/bin/activate". The left sidebar contains an "EXPLORER" view with a list of open files, including "style.css", "Flexbox.html", "operator2.cpp", "overload.cpp", "add.cpp", "poly.cpp", "Demo.cpp", "Cons.cpp", "oxgam.js", "Shape.cpp", "Car.cpp", "Person.cpp", "Singleinh.cpp", "DMA3.cpp", "DMA1.cpp", "dyn.cpp", and "str.class.cpp". Below the sidebar are sections for "SHIVAM", "OUTLINE", and "TIMELINE". At the bottom, there are tabs for "PROBLEMS", "OUTPUT", "DEBUG CONSOLE", "TERMINAL", and "PORTS", with "TERMINAL" being the active tab.

```
* { margin: 0; padding: 0; box-sizing: border-box; }

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

/* HEADER FLEX LAYOUT */
.header {
    display: flex;
    justify-content: space-between;
    align-items: center;
    padding: 15px 30px;
    background: #0f172a;
    color: white;

    /* Bonus: sticky header */
    position: sticky;
    top: 0;
}

/* LOGO */
.logo {
    font-size: 22px;
```

LORER

N EDITORS

Welcome

# style.css

Flexbox.html

operator2.cpp

overload.cpp

add.cpp

poly.cpp

Demo.cpp

Cons.cpp

oxgam.js

Shape.cpp

Car.cpp

Person.cpp

Singleinh.cpp

DMA3.cpp

DMA1.cpp

dyn.cpp

tr.class.cpp

PETS

shivam

# style.css > ...

```
24
25  /* LOGO */
26  .logo {
27      font-size: 22px;
28      font-weight: bold;
29  }
30
31  /* NAVIGATION */
32  .nav {
33      display: flex;
34      gap: 25px;
35      margin-left: auto; /* pushes nav + button to right */
36  }
37
38  .nav a {
39      text-decoration: none;
40      color: white;
41      font-size: 16px;
42      transition: 0.3s;
43  }
44
45  /* Hover effect - bonus */
46  .nav a:hover {
47      color: #38bdf8;
48  }
49
50  /* BUTTON */
```

PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

shivam@Shivams-MacBook-Air ~ % source .env

The screenshot shows a dark-themed instance of Visual Studio Code. In the center is the code editor with a file named "style.css" open. The code defines CSS rules for a button and page content.

```
# style.css > ...
48
49
50 /* BUTTON */
51 .cta-btn {
52   margin-left: 20px;
53   padding: 10px 18px;
54   border: none;
55   border-radius: 6px;
56   background: #38bdf8;
57   color: black;
58   font-weight: bold;
59   cursor: pointer;
60   transition: 0.3s;
61 }
62
63 .cta-btn:hover {
64   background: #0ea5e9;
65   transform: scale(1.05);
66 }
67
68 /* PAGE CONTENT */
69 .content {
70   padding: 40px;
71 }
72
73 */
```

Below the code editor is the terminal pane, which shows the user's command-line session:

```
shivam@Shivams-MacBook-Air ~ % source /Users/shivam/.venv/bin/activate
```

