

A screenshot of a dark-themed code editor, likely Visual Studio Code, showing an HTML file named `index.html`. The file contains HTML, CSS, and JavaScript code for a geolocation styling challenge. The terminal window below shows a command-line session where the user has activated a virtual environment.

```
<!DOCTYPE html>
<html>
<head>
    <title>Geolocation Styling Challenge</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>
<div class="bg-circle"></div>
<div class="bg-circle2"></div>
<div class="container">
    <button onclick="getLocation()">Show My Location</button>
    <p id="loc">Click button to get coordinates</p>
</div>
<script>
function getLocation() {
    if (navigator.geolocation) {
        navigator.geolocation.getCurrentPosition(showPosition);
    } else {
        document.getElementById("loc").innerHTML = "Geolocation not supported";
    }
}
function showPosition(position) {
```

PROBLEMS 2    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

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

A screenshot of a code editor interface with several tabs open. The tabs include 'Welcome', '# style.css', 'index.html', 'str.class.cpp', 'Js Hacker.js 2', and 'Str.cpp'. The 'index.html' tab is active and contains the following code:

```
1 <html>
2   <body>
3     <script>
4       function getLocation() {
5         if (navigator.geolocation) {
6           navigator.geolocation.getCurrentPosition(showPosition);
7         } else {
8           document.getElementById("loc").innerHTML = "Geolocation not supported";
9         }
10      }
11
12      function showPosition(position) {
13        const locBox = document.getElementById("loc");
14
15        locBox.innerHTML =
16          "Latitude: " + position.coords.latitude +
17          "<br>Longitude: " + position.coords.longitude;
18
19        // trigger animation
20        locBox.classList.remove("animate");
21        void locBox.offsetWidth;
22        locBox.classList.add("animate");
23      }
24    </script>
25
26  </body>
27 </html>
```

```
# style.css > ...
1  /* Page background */
2  body {
3      margin: 0;
4      height: 100vh;
5      background: linear-gradient(135deg, #4e73ff, #8e44ad);
6      font-family: Arial, sans-serif;
7      overflow: hidden;
8  }
9
10 /* Decorative circles */
11 .bg-circle {
12     position: absolute;
13     border-radius: 50%;
14     filter: blur(40px);
15     opacity: 0.4;
16 }
17
18 .c1 {
19     width: 200px;
20     height: 200px;
21     background: #ffffff;
22     top: 10%;
23     left: 15%;
24 }
25
26 .c2 {
27     width: 250px;
```

PROBLEMS 2    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

A screenshot of a code editor window showing a file named `# style.css`. The code is written in CSS and styles a landing page. The editor has a dark theme with light-colored icons in the sidebar. The code includes:

```
# style.css > ...
25
26 .c2 {
27   width: 250px;
28   height: 250px;
29   background: #00fffd5;
30   bottom: 10%;
31   right: 10%;
32 }
33
34 /* Center content WITHOUT flexbox */
35 .container {
36   position: absolute;
37   top: 50%;
38   left: 50%;
39   transform: translate(-50%, -50%);
40   text-align: center;
41 }
42
43 /* Title */
44 h1 {
45   color: white;
46   text-shadow: 0 0 10px rgba(0,0,0,0.4);
47 }
48
49 /* Button styling */
50 button {
51   padding: 14px 28px;
52 }
```

The editor interface includes tabs for `style.css`, `index.html`, `str.class.cpp`, `Hacker.js 2`, and `Str.c`. Below the code editor are tabs for **PROBLEMS** (2), **OUTPUT**, **DEBUG CONSOLE**, **TERMINAL** (underlined), and **PORTS**. At the bottom, the terminal shows the command `shivam@Shivams-MacBook-Air ~ % source /Users/.../script.sh`.

A screenshot of a dark-themed code editor, likely Visual Studio Code, displaying a CSS file named style.css. The code defines styles for a button, including padding, font size, border radius, cursor, background gradient, color, box shadow, and transition effects for hover and coordinate cards. The editor interface includes tabs for Welcome, style.css, index.html, str.class.cpp, Hacker.js, Str.cpp, and String. A terminal window at the bottom shows the command to activate a virtual environment:

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

```
# style.css > ...
  .loc {
    margin-top: 25px;
    padding: 18px;
    width: 260px;
    background: white;
    border-radius: 15px;
    box-shadow: 0 10px 25px rgba(0,0,0,0.3);
    font-size: 15px;
    transition: all 0.4s ease;
  }
  /* Animation when updated */
  .animate {
    animation: pop 0.5s ease;
  }
  @keyframes pop {
    0% { transform: scale(0.7); opacity: 0; }
    60% { transform: scale(1.1); opacity: 1; }
    100% { transform: scale(1); }
  }

```

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS

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

