Web Programming Lab - Exercise 3

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Course Code: BCSE203E

Live URL: https://webprog.nexxel.dev/3.html

# Problem 1

## HTML

HTML

<!DOCTYPE html>  
<html lang="en">  
 <head>  
 <meta charset="UTF-8" />  
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />  
 <title>Problem 1</title>  
 <link rel="stylesheet" href="style.css" />  
 </head>  
 <body>  
 <div class="container">  
 <div class="square"></div>  
 <div class="square"></div>  
 </div>  
 </body>  
</html>

## CSS

CSS

.square {  
 width: 100px;  
 height: 100px;  
 background-color: red;  
 margin-bottom: 10px;  
}  
  
.container {  
 display: flex;  
 flex-direction: column;  
 align-items: center;  
 justify-content: center;  
 min-height: 100vh;  
 margin: 0;  
 padding: 20px;  
}

# Problem 2

## HTML

HTML

<!DOCTYPE html>  
<html lang="en">  
 <head>  
 <meta charset="UTF-8" />  
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />  
 <title>Problem 2</title>  
 <link rel="stylesheet" href="style.css" />  
 </head>  
 <body>  
 <div class="container">  
 <div class="square"></div>  
 <div class="square"></div>  
 </div>  
 </body>  
</html>

## CSS

CSS

.square {  
 width: 100px;  
 height: 100px;  
 background-color: red;  
 margin-right: 10px;  
}  
  
.container {  
 display: flex;  
 flex-direction: row;  
 align-items: center;  
 justify-content: center;  
 min-height: 100vh;  
 margin: 0;  
 padding: 20px;  
}

# Problem 3

## HTML

HTML

<!DOCTYPE html>  
<html lang="en">  
 <head>  
 <meta charset="UTF-8" />  
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />  
 <title>Problem 3</title>  
 <link rel="stylesheet" href="style.css" />  
 </head>  
 <body>  
 <div class="container">  
 <div class="login-card">  
 <h2>Login</h2>  
 <form>  
 <div class="form-group">  
 <label for="username">Username</label>  
 <input  
 type="text"  
 id="username"  
 name="username"  
 placeholder="Enter your username"  
 required  
 />  
 </div>  
  
 <div class="form-group">  
 <label for="password">Password</label>  
 <input  
 type="password"  
 id="password"  
 name="password"  
 placeholder="Enter your password"  
 required  
 />  
 </div>  
  
 <button type="submit">Login</button>  
  
 <div class="forgot-password">  
 <a href="#">Forgot Password?</a>  
 </div>  
 </form>  
 </div>  
 </div>  
 </body>  
</html>

## CSS

CSS

body {  
 margin: 0;  
 font-family: system-ui, -apple-system, BlinkMacSystemFont, sans-serif;  
 background-color: #ffc0cb;  
 color: #333;  
}  
  
.container {  
 min-height: 100vh;  
 display: flex;  
 align-items: center;  
 justify-content: center;  
 padding: 20px;  
}  
  
.login-card {  
 background: white;  
 padding: 2rem;  
 border-radius: 8px;  
 box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);  
 width: 100%;  
 max-width: 400px;  
}  
  
h2 {  
 margin: 0 0 1.5rem;  
 text-align: center;  
 color: #333;  
}  
  
.form-group {  
 margin-bottom: 1rem;  
}  
  
label {  
 display: block;  
 margin-bottom: 0.5rem;  
 color: #555;  
 font-size: 0.9rem;  
}  
  
input {  
 width: 100%;  
 padding: 0.75rem;  
 border: 1px solid #ddd;  
 border-radius: 4px;  
 font-size: 1rem;  
 box-sizing: border-box;  
}  
  
input:focus {  
 outline: none;  
 border-color: #0066ff;  
 box-shadow: 0 0 0 2px rgba(0, 102, 255, 0.2);  
}  
  
button {  
 width: 100%;  
 padding: 0.75rem;  
 background-color: #0066ff;  
 color: white;  
 border: none;  
 border-radius: 4px;  
 font-size: 1rem;  
 cursor: pointer;  
 margin-top: 1rem;  
 transition: background-color 0.2s ease;  
}  
  
button:hover {  
 background-color: #0052cc;  
}  
  
.forgot-password {  
 text-align: center;  
 margin-top: 1rem;  
}  
  
.forgot-password a {  
 color: #0066ff;  
 text-decoration: none;  
 font-size: 0.9rem;  
 transition: color 0.2s ease;  
}  
  
.forgot-password a:hover {  
 color: #0052cc;  
}

# Problem 4

## HTML

HTML

<!DOCTYPE html>  
<html lang="en">  
 <head>  
 <meta charset="UTF-8" />  
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />  
 <title>Problem 4</title>  
 <link rel="stylesheet" href="style.css" />  
 </head>  
 <body>  
 <nav class="navbar">  
 <ul>  
 <li><a href="#">Home</a></li>  
 <li><a href="#" class="active">Services</a></li>  
 <li><a href="#">About</a></li>  
 <li><a href="#">Contact</a></li>  
 </ul>  
 </nav>  
  
 <div class="dropdown-content">  
 <a href="#">Web Design</a>  
 <a href="#">SEO</a>  
 <a href="#">Marketing</a>  
 </div>  
 </body>  
</html>

## CSS

CSS

body {  
 margin: 0;  
 font-family: system-ui, -apple-system, BlinkMacSystemFont, sans-serif;  
}  
  
.navbar {  
 background-color: #222;  
 padding: 1rem;  
}  
  
.navbar ul {  
 list-style: none;  
 margin: 0;  
 padding: 0;  
 display: flex;  
 gap: 1rem;  
}  
  
.navbar li {  
 margin: 0;  
}  
  
.navbar a {  
 color: white;  
 text-decoration: none;  
 padding: 0.5rem 1rem;  
 display: block;  
}  
  
.navbar a.active {  
 color: #00ffff;  
}  
  
/\* Dropdown styles \*/  
.dropdown-content {  
 position: absolute;  
 background-color: #333;  
 min-width: 160px;  
 top: 3.5rem;  
 left: 7rem;  
}  
  
.dropdown-content a {  
 color: white;  
 text-decoration: none;  
 padding: 0.75rem 1rem;  
 display: block;  
}

# Problem 5

## HTML

HTML

<!DOCTYPE html>  
<html lang="en">  
 <head>  
 <meta charset="UTF-8" />  
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />  
 <title>Problem 5</title>  
 <link rel="stylesheet" href="style.css" />  
 </head>  
 <body>  
 <nav class="menu">  
 <a href="#" class="active">Home</a>  
 <a href="#">Services</a>  
 <a href="#">About</a>  
 <a href="#">Portfolio</a>  
 <a href="#">Contact</a>  
 </nav>  
 </body>  
</html>

## CSS

CSS

body {  
 margin: 0;  
 padding: 2rem;  
 font-family: system-ui, -apple-system, BlinkMacSystemFont, sans-serif;  
 background-color: #f0f0f0;  
}  
  
.menu {  
 width: 200px;  
 background-color: #333;  
 border-radius: 8px;  
 overflow: hidden;  
 box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);  
}  
  
.menu a {  
 display: block;  
 padding: 1rem;  
 color: white;  
 text-decoration: none;  
 font-size: 1.2rem;  
 border-bottom: 1px solid #444;  
}  
  
.menu a:last-child {  
 border-bottom: none;  
}  
  
.menu a.active {  
 background-color: #00ffff;  
 color: #333;  
}  
  
/\* Dropdown styles \*/  
.dropdown-content {  
 position: absolute;  
 background-color: #333;  
 min-width: 160px;  
 top: 3.5rem;  
 left: 0;  
}  
  
.dropdown-content a {  
 color: white;  
 text-decoration: none;  
 padding: 0.75rem 1rem;  
 display: block;  
}

# Problem 6

## HTML

HTML

<!DOCTYPE html>  
<html lang="en">  
 <head>  
 <meta charset="UTF-8" />  
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />  
 <title>Problem 6</title>  
 <link rel="stylesheet" href="style.css" />  
 </head>  
 <body>  
 <div class="logo">acer</div>  
 <div class="status">  
 <div class="signal">No Signal</div>  
 <div class="input">VGA IN</div>  
 </div>  
 </body>  
</html>

## CSS

CSS

body {  
 margin: 0;  
 background-color: #000;  
 overflow: hidden;  
 height: 100vh;  
}  
  
.logo {  
 position: absolute;  
 color: white;  
 font-family: Arial, sans-serif;  
 font-size: 4rem;  
 font-weight: 300;  
 text-transform: lowercase;  
 user-select: none;  
 animation: moveX 7s linear infinite alternate,  
 moveY 4s linear infinite alternate;  
}  
  
@keyframes moveX {  
 from {  
 left: 0;  
 }  
 to {  
 left: calc(100% - 10rem);  
 }  
}  
  
@keyframes moveY {  
 from {  
 top: 0;  
 }  
 to {  
 top: calc(100% - 6rem);  
 }  
}  
  
.status {  
 position: fixed;  
 bottom: 2rem;  
 right: 2rem;  
 color: white;  
 font-family: Arial, sans-serif;  
 font-size: 0.9rem;  
 text-align: right;  
}  
  
.signal {  
 margin-bottom: 0.25rem;  
}  
  
.input {  
 font-size: 0.8rem;  
 opacity: 0.9;  
}