Here are the solutions for the exercises in **Sheet 3**:

**1. Basic Web Page & Styling**

**HTML:**

html

Copy code

<!DOCTYPE html>

<html>

<head>

<title>Styled Web Page</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<header>

<h1>Welcome to My Website</h1>

</header>

<p>This is a simple paragraph with some text.</p>

<footer>

<p>Footer Section</p>

</footer>

</body>

</html>

**CSS (styles.css):**

css

Copy code

body {

font-family: Arial, sans-serif;

background-image: url('background.jpg');

color: #333;

}

header {

background-color: #4CAF50;

color: white;

padding: 10px;

text-align: center;

}

footer {

background-color: #222;

color: white;

text-align: center;

padding: 5px;

position: absolute;

bottom: 0;

width: 100%;

}

**2. Selectors & Box Model**

**HTML:**

html

Copy code

<!DOCTYPE html>

<html>

<head>

<title>Selectors & Box Model</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<div class="box" id="box1">Box 1</div>

<div class="box" id="box2">Box 2</div>

<div class="box" id="box3">Box 3</div>

</body>

</html>

**CSS (styles.css):**

css

Copy code

.box {

width: 100px;

height: 100px;

margin: 20px;

padding: 10px;

border: 2px solid black;

background-color: #f0f0f0;

}

#box1 {

background-color: lightblue;

}

#box2 {

background-color: lightgreen;

}

#box3 {

background-color: lightcoral;

}

**3. Basic Layout with Display**

**HTML:**

html

Copy code

<!DOCTYPE html>

<html>

<head>

<title>Basic Layout</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<div class="header">Header</div>

<div class="content">

<div class="sidebar">Sidebar</div>

<div class="main-content">Main Content</div>

</div>

<div class="footer">Footer</div>

</body>

</html>

**CSS (styles.css):**

css

Copy code

.header, .footer {

background-color: #4CAF50;

color: white;

text-align: center;

padding: 10px;

}

.content {

display: flex;

}

.sidebar {

width: 30%;

background-color: #f4f4f4;

padding: 10px;

}

.main-content {

width: 70%;

background-color: #e0e0e0;

padding: 10px;

}

**4. Styling Links & Lists**

**HTML:**

html

Copy code

<!DOCTYPE html>

<html>

<head>

<title>Links & Lists</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<nav>

<ul class="nav-list">

<li><a href="#">Home</a></li>

<li><a href="#">About</a></li>

<li><a href="#">Contact</a></li>

</ul>

</nav>

</body>

</html>

**CSS (styles.css):**

css

Copy code

.nav-list {

list-style-type: none;

padding: 0;

margin: 0;

display: flex;

background-color: #4CAF50;

}

.nav-list li {

margin: 0 10px;

}

.nav-list a {

text-decoration: none;

color: white;

}

.nav-list a:hover {

color: yellow;

}

**5. Fonts & Icons**

**HTML:**

html

Copy code

<!DOCTYPE html>

<html>

<head>

<title>Fonts & Icons</title>

<link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap" rel="stylesheet">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0-beta3/css/all.min.css">

<link rel="stylesheet" href="styles.css">

</head>

<body>

<h1 class="custom-font">Welcome to My Page</h1>

<p><i class="fas fa-home"></i> Home</p>

</body>

</html>

**CSS (styles.css):**

css

Copy code

.custom-font {

font-family: 'Roboto', sans-serif;

color: #4CAF50;

}

**6. Tables & Forms**

**HTML:**

html

Copy code

<!DOCTYPE html>

<html>

<head>

<title>Tables & Forms</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<table>

<tr>

<th>Name</th>

<th>Age</th>

</tr>

<tr>

<td>John</td>

<td>25</td>

</tr>

<tr>

<td>Jane</td>

<td>30</td>

</tr>

</table>

<form>

<label for="name">Name:</label>

<input type="text" id="name" name="name"><br><br>

<label for="email">Email:</label>

<input type="email" id="email" name="email"><br><br>

<button type="submit">Submit</button>

</form>

</body>

</html>

**CSS (styles.css):**

css

Copy code

table {

width: 50%;

border-collapse: collapse;

margin: 20px 0;

}

table, th, td {

border: 1px solid black;

}

th, td {

text-align: left;

padding: 8px;

}

th {

background-color: #4CAF50;

color: white;

}