NAME:Insharah Irshad
CMS ID:3654-2024
LAB: AICT

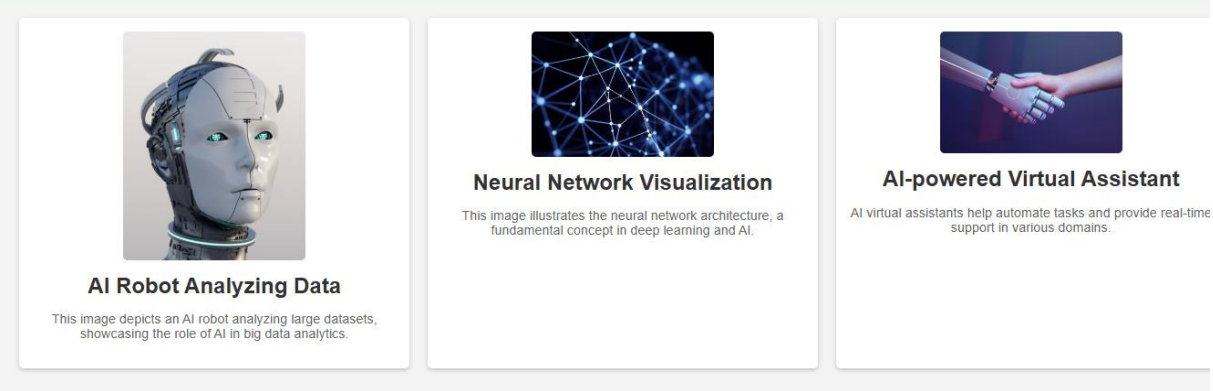
LAB TASK:

Q1: Add a series of artificial intelligence-themed images to a webpage, using the <img> tag with proper alt text for accessibility. Below each image, include a <h2> heading for the title and a <p> tag for a brief description explaining the image's relevance to AI, ensuring the content is well-aligned and informative.

CODE:

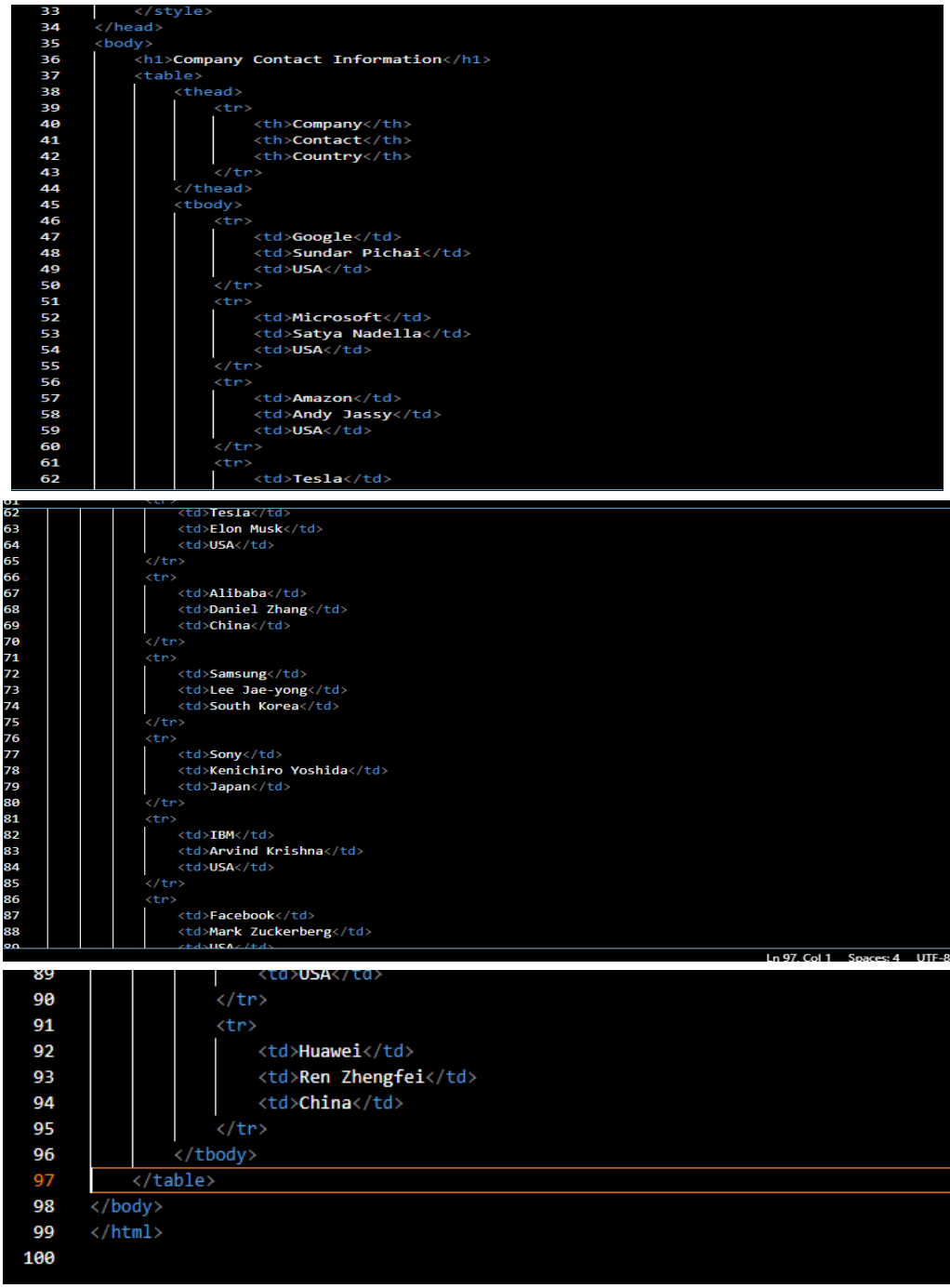
```
iv class="container">
  <!-- Image 1 -->
  <div class="image-block">
      <img src="2fd3827d-04ae-4cdf-97d8-5a598062a514.jpg" alt="A futuristic AI robot analyzing data">
      <h2>AI Robot Analyzing Data</h2>
      <p>This image depicts an AI robot analyzing large datasets, showcasing the role of AI in big data analytics.</p
  </div>

  <!-- Image 2 -->
  <div class="image-block">
      <img src="neural network.jpg" alt="Neural network visualization">
      <h2>Neural Network Visualization</h2>
      <p>This image illustrates the neural network architecture, a fundamental concept in deep learning and AI.</p>
  </div>

  <!-- Image 3 -->
  <div class="image-block">
      <img src="What Are Neural Networks_ A Beginner?s Guide to AI?s Backbone.jpg" alt="AI-powered virtual assistant"
      <h2>AI-powered Virtual Assistant</h2>
      <p>AI virtual assistants help automate tasks and provide real-time support in various domains.</p>
  </div>
div>
>
>
```

OUTPUT:



Q2: Design an HTML table with three columns: Company, Contact, and Country. Each row should display relevant information under these headers using the <tr> and <td> tags. Ensure the table has a border for clarity and includes at least ten rows of data. Below is an example structure:

CODING



```
    </style>
</head>
<body>
    <h1>Company Contact Information</h1>
    <table>
        <thead>
            <tr>
                <th>Company</th>
                <th>Contact</th>
                <th>Country</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td>Google</td>
                <td>Sundar Pichai</td>
                <td>USA</td>
            </tr>
            <tr>
                <td>Microsoft</td>
                <td>Satya Nadella</td>
                <td>USA</td>
            </tr>
            <tr>
                <td>Amazon</td>
                <td>Andy Jassy</td>
                <td>USA</td>
            </tr>
            <tr>
                <td>Tesla</td>
                <td>Elon Musk</td>
                <td>USA</td>
            </tr>
            <tr>
                <td>Alibaba</td>
                <td>Daniel Zhang</td>
                <td>China</td>
            </tr>
            <tr>
                <td>Samsung</td>
                <td>Lee Jae-yong</td>
                <td>South Korea</td>
            </tr>
            <tr>
                <td>Sony</td>
                <td>Kenichiro Yoshida</td>
                <td>Japan</td>
            </tr>
            <tr>
                <td>IBM</td>
                <td>Arvind Krishna</td>
                <td>USA</td>
            </tr>
            <tr>
                <td>Facebook</td>
                <td>Mark Zuckerberg</td>
                <td>USA</td>
            </tr>
            <tr>
                <td>Huawei</td>
                <td>Ren Zhengfei</td>
                <td>China</td>
            </tr>
        </tbody>
    </table>
</body>
</html>
```

OUTPUT:

Company Contact Information

Company	Contact	Country
Google	Sundar Pichai	USA
Microsoft	Satya Nadella	USA
Amazon	Andy Jassy	USA
Tesla	Elon Musk	USA
Alibaba	Daniel Zhang	China
Samsung	Lee Jae-yong	South Korea
Sony	Kenichiro Yoshida	Japan
IBM	Arvind Krishna	USA
Facebook	Mark Zuckerberg	USA
Huawei	Ren Zhengfei	China

Q3: Design a nested ordered list in HTML that includes multiple levels of items. Each list item should be a part of a parent list, with some list items containing their own nested lists. Use the <ol> tag for ordered lists and <li> for list items. Additionally, apply CSS to style the ordered lists by adjusting the font size, list item numbering, and indentation for nested lists. You can also add some padding and color to make the nested list visually appealing. Below is an example structure.

CODING

```
    </style>
</head>
<body>
    <h1>Nested Ordered List</h1>
    <ol>
        <li>Programming Languages
            <ol>
                <li>High-level Languages
                    <ol>
                        <li>Python</li>
                        <li>JavaScript</li>
                        <li>Java</li>
                    </ol>
                </li>
                <li>Low-level Languages
                    <ol>
                        <li>Assembly</li>
                        <li>Machine Code</li>
                    </ol>
                </li>
            </ol>
        </li>
        <li>Software Development
            <ol>
```

```
                <li>Agile Methodology</li>
                <li>Waterfall Model</li>
                <li>DevOps</li>
            </ol>
        </li>
        <li>Artificial Intelligence
            <ol>
                <li>Machine Learning
                    <ol>
                        <li>Supervised Learning</li>
                        <li>Unsupervised Learning</li>
                        <li>Reinforcement Learning</li>
                    </ol>
                </li>
                <li>Natural Language Processing</li>
                <li>Computer Vision</li>
            </ol>
        </li>
    </ol>
</body>
</html>
```

OUTPUT:

Nested Ordered List

1. Programming Languages
    a. High-level Languages
        i. Python
        ii. JavaScript
        iii. Java
    b. Low-level Languages
        i. Assembly
        ii. Machine Code
2. Software Development
    a. Agile Methodology
    b. Waterfall Model
    c. DevOps
3. Artificial Intelligence
    a. Machine Learning
        i. Supervised Learning
        ii. Unsupervised Learning
        iii. Reinforcement Learning
    b. Natural Language Processing
    c. Computer Vision