

APPLIED OF INFORMATION AND COMMUNICATION TECHNOLOGY

LAB TASK:

Q1: Add a series of artificial intelligence-themed images to a webpage, using the 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.

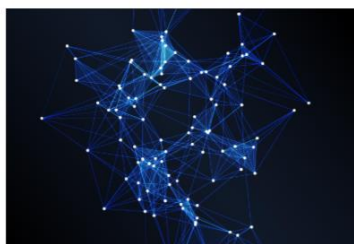
CODING:

```
54 | </style>
55 | </head>
56 | <body>
57 |   <div class="gallery">
58 |     <div class="gallery-item">
59 |       
60 |       <h2>AI-Powered Robotics</h2>
61 |       <p>This image showcases a robot demonstrating advanced AI capabilities, such as object recognition and task execution.</p>
62 |     </div>
63 |     <div class="gallery-item">
64 |       
65 |       <h2>Neural Networks</h2>
66 |       <p>The image visualizes the structure of a neural network, a key component of machine learning and artificial intelligence.</p>
67 |     </div>
68 |     <div class="gallery-item">
69 |       
70 |       <h2>Autonomous Vehicles</h2>
71 |       <p>An example of AI in action, this image depicts a self-driving car utilizing AI for real-time navigation and decision-making.</p>
72 |     </div>
73 |   </div>
74 | </body>
75 | </html>
```



AI-Powered Robotics

This image showcases a robot demonstrating advanced AI capabilities, such as object recognition and task execution.



Neural Networks

The image visualizes the structure of a neural network, a key component of machine learning and artificial intelligence.



Autonomous Vehicles

An example of AI in action, this image depicts a self-driving car utilizing AI for real-time navigation and decision-making.

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:

```
29     </style>
30 </head>
31 <body>
32     <h1>HTML Table</h1>
33     <table>
34         <thead>
35             <tr>
36                 <th>Company</th>
37                 <th>Contact</th>
38                 <th>Country</th>
39             </tr>
40         </thead>
41         <tbody>
42             <tr>
43                 <td>Alfreds Futterkiste</td>
44                 <td>Maria Anders</td>
45                 <td>Germany</td>
46             </tr>
47             <tr>
48                 <td>Centro comercial Moctezuma</td>
49                 <td>Francisco Chang</td>
50                 <td>Mexico</td>
51             </tr>
52             <tr>
53                 <td>Ernst Handel</td>
54                 <td>Roland Mendel</td>
55                 <td>Austria</td>
```

```

56     </tr>
57     <tr>
58         <td>Island Trading</td>
59         <td>Helen Bennett</td>
60         <td>UK</td>
61     </tr>
62     <tr>
63         <td>Laughing Bacchus Winecellars</td>
64         <td>Yoshi Tannamuri</td>
65         <td>Canada</td>
66     </tr>
67     <tr>
68         <td>Magazzini Alimentari Riuniti</td>
69         <td>Giovanni Rovelli</td>
70         <td>Italy</td>
71     </tr>
72     <tr>
73         <td>Nord-Ost-Fisch Handelsgesellschaft</td>
74         <td>Sven Ottlieb</td>
75         <td>Germany</td>
76     </tr>
77     <tr>
78         <td>Paris spécialités</td>
79         <td>Marie Bertrand</td>
80         <td>France</td>
81     </tr>
82     <tr>
83         <td>Eastern Connection</td>

```

```

84         <td>Ann Devon</td>
85         <td>Australia</td>
86     </tr>
87     <tr>
88         <td>Tradição Hipermercados</td>
89         <td>Pedro Afonso</td>
90         <td>Brazil</td>
91     </tr>
92 </tbody>
93 </table>
94 </body>
95 </html>

```

HTML Table

Company	Contact	Country
Alfreds Futterkiste	Maria Anders	Germany
Centro comercial Moctezuma	Francisco Chang	Mexico
Ernst Handel	Roland Mendel	Austria
Island Trading	Helen Bennett	UK
Laughing Bacchus Winecellars	Yoshi Tannamuri	Canada
Magazzini Alimentari Riuniti	Giovanni Rovelli	Italy
Nord-Ost-Fisch Handelsgesellschaft	Sven Ottlieb	Germany
Paris spécialités	Marie Bertrand	France
Eastern Connection	Ann Devon	Australia
Tradição Hipermercados	Pedro Afonso	Brazil

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 tag for ordered lists and 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:

```
35 | </style>
36 | </head>
37 | <body>
38 |   <h1>Nested Ordered List</h1>
39 |   <ol>
40 |     <li><span>Subjects</span>
41 |       <ol>
42 |         <li>Mathematics</li>
43 |         <li>Science</li>
44 |         <li>Literature</li>
45 |       </ol>
46 |     </li>
47 |     <li><span>Programming Languages</span>
48 |       <ol>
49 |         <li>C</li>
50 |         <li>Java</li>
51 |         <li>Python</li>
52 |         <li>Ruby</li>
53 |         <li>Swift</li>
54 |       </ol>
55 |     </li>
56 |     <li><span>Computer Science Concepts</span>
57 |       <ol>
58 |         <li>Data Structures</li>
59 |         <li>Algorithms</li>
60 |         <li>Operating Systems</li>
61 |         <li>Database Management</li>
62 |         <li>Networking</li>
63 |       </ol>
64 |     </li>
```

```
65     <li><span>Web Technologies</span>
66         <ol>
67             <li>HTML</li>
68             <li>CSS</li>
69             <li>JavaScript
70                 <ol>
71                     <li>React</li>
72                     <li>Angular</li>
73                     <li>Vue</li>
74                 </ol>
75             </li>
76             <li>Bootstrap</li>
77         </ol>
78     </li>
79 </ol>
80 </body>
81 </html>
```

Nested Ordered List

1. **Subjects**

- a. Mathematics
- b. Science
- c. Literature

2. **Programming Languages**

- a. C
- b. Java
- c. Python
- d. Ruby
- e. Swift

3. **Computer Science Concepts**

- a. Data Structures
- b. Algorithms
- c. Operating Systems
- d. Database Management
- e. Networking

4. **Web Technologies**

- a. HTML
- b. CSS
- c. JavaScript
 - i. React
 - ii. Angular
 - iii. Vue
- d. Bootstrap