Code Review

1.

A: html code

```
13    <nav>
14        <table>
15            <tr>
16                <th><a href="about.html" target="_self"><b>About</b></a></th>
17                <th><a href="my.html" target="_self"><b>My Studies</b></a></th>
18                <th><a href="more.html" target="_self"><b>More...</b></a></th>
19            </tr>
20        </table>
21    </nav>
```

B: outcome(pic)

About My Studies More...

C: desired

I want my table look more like a nav bar that would be page long, with borders and another color.

D: html with css code

```
13    <nav>
14        <table>
15            <tr>
16                <th><a href="about.html" target="_self"><b>About</b></a></th>
17                <th><a href="my.html" target="_self"><b>My Studies</b></a></th>
18                <th><a href="more.html" target="_self"><b>More...</b></a></th>
19            </tr>
20        </table>
21    </nav>
```

```
13    table{
14        width: 100%;
15        border-collapse: collapse;
16    }
17    table,th{
18        border-style: solid;
19        border-width: 2px;
20        border-color: black;
21    }
22    th{
23        height:50px;
24    }
25    th>a{
26        color:black;
27    }
28    th:hover{
29        background-color: grey;
30    }
```

E: outcome(pic)

About	My Studies	More...

2.

A: html code

```
15        <p>Artificial Intelligence is one of the main area in programming in the future, there's many benefits learning Artificial I
16        <img src="image/about_2.jpg" alt="fantasy picture of AI engineer" width="650" height="350">
17        <img src="image/about_4.jpg" alt="fantasy picture of programmer" width="500" height="350">
```

B: outcome(pic)

Artificial Intelligence is one of the main area in programming in the future, there's many benefits learning Artificial Intelligence, and it's easier to learn new technologies in the future.

C: desired

I want my pictures to stay in the same line and have paddings, borders and margins.

D: html with css code

```
16      <p>Artificial Intelligence is one of the main area in programming in the future, there's many benefits learning Artificial Intell
17      <img src="image/about_2.jpg" alt="fantasy picture of AI engineer">
18      <img src="image/about_4.jpg" alt="fantasy picture of programmer">
```

```
17    p+img{
18      border-style: solid;
19      border-width: 2px;
20      border-color: blue;
21    }
22    img+img{
23      border-style: solid;
24      border-width: 2px;
25      border-color: blue;
26    }
27    img{
28      margin: 20px;
29      padding:5px;
30      background-color: white;
31      width:650px;
32      height:350px;
33    }
34    [alt~="programmer"]{
35    float:right;
36    }
```

E: outcome(pic)

3.

A: html code

```
19    <h1>Fun Facts About AI</h1>
20    <ol>
21        <li>AI Pets Exist. Although real pets are lovable, as per pet-bot developers, they have a few setbacks.</li>
22        <li>Most AI Bots are Female.</li>
23        <li>AI Recognises Emotions.</li>
24        <li>AI can Repair Itself.</li>
25        <li>AI has Nationalities and Passports.</li>
26    </ol>
```

B: outcome(pic)

Fun Facts About AI

1. AI Pets Exist. Although real pets are lovable, as per pet-bot developers, they have a few setbacks.
2. Most AI Bots are Female.
3. AI Recognises Emotions.
4. AI can Repair Itself.
5. AI has Nationalities and Passports.

C: desired

I want my title to stay at the center of the web page and my list has another background color, also change to another type of numbering.

D: html with css code

```
19    <h1>Fun Facts About AI</h1>
20    <ol>
21        <li>AI Pets Exist. Although real pets are lovable, as per pet-bot developers, they have a few setbacks.</li>
22        <li>Most AI Bots are Female.</li>
23        <li>AI Recognises Emotions.</li>
24        <li>AI can Repair Itself.</li>
25        <li>AI has Nationalities and Passports.</li>
26    </ol>
```

```
7    h1{
8        text-align: center;
9    }
```

```
37    ol{
38        list-style-type: upper-roman;
39        text-align: left;
40        background-color: lightblue;
41    }
```

E: outcome(pic)

Fun Facts About AI

I. AI Pets Exist. Although real pets are lovable, as per pet-bot developers, they have a few setbacks.
II. Most AI Bots are Female.
III. AI Recognises Emotions.
IV. AI can Repair Itself.
V. AI has Nationalities and Passports.

4.

A: html code

```html
<ol>
    <li>Educational Prerequisites
        <ul>
            <li>Bachelor's degree in IT, computer science, statistics, data science, finance, etc.</li>
            <li>Master's degree in computer science, mathematics, cognitive science, data science, etc.</li>
            <li>Certifications in data science, machine learning, etc.</li>
        </ul></li>
    <li>Programming Languages
        <ul>
            <li>Python</li>
            <li>Java</li>
            <li>C++</li>
            <li>Lisp</li>
            <li>R</li>
            <li>Prolog</li>
        </ul></li>
    <li>Statistics/Calculus/Algebra</li>
    <li>Algorithms and Applied Mathematics
        <ul>
            <li>Quadratic programming</li>
            <li>Partial differential equations</li>
            <li>Gradient descent</li>
            <li>Lagrange</li>
            <li>Convex optimization</li>
        </ul></li>
    <li>Natural Language Processing</li>
    <li>Neural Networks</li>
    <li>Communication and Collaboration Skills</li>
    <li>Analytical Skills</li>
        <li>etc. ...</li>
</ol>
    <img src="image/study_2.jpg" alt="elements take to be an AI engineer">
```

B: outcome(pic)

What it takes to be an AI engineer

1. Educational Prerequisites
    - Bachelor's degree in IT, computer science, statistics, data science, finance, etc.
    - Master's degree in computer science, mathematics, cognitive science, data science, etc.
    - Certifications in data science, machine learning, etc.
2. Programming Languages
    - Python
    - Java
    - C++
    - Lisp
    - R
    - Prolog
3. Statistics/Calculus/Algebra
4. Algorithms and Applied Mathematics
    - Quadratic programming
    - Partial differential equations
    - Gradient descent
    - Lagrange
    - Convex optimization
5. Natural Language Processing
6. Neural Networks
7. Communication and Collaboration Skills
8. Analytical Skills
9. etc. ...

C: desired

I want my list use another type of numbering and picture next to it.

D: html with css code

```
10      <div class="grid-container">
11       <h1>What it takes to be an AI engineer</h1>
12      <ol>
13          <li>Educational Prerequisites
14              <ul>
15                  <li>Bachelor's degree in IT, computer science, statistics, data science, finance, etc.</li>
16                  <li>Master's degree in computer science, mathematics, cognitive science, data science, etc.</li>
17                  <li>Certifications in data science, machine learning, etc.</li>
18              </ul></li>
19          <li>Programming Languages
20              <ul>
21                  <li>Python</li>
22                  <li>Java</li>
23                  <li>C++</li>
24                  <li>Lisp</li>
25                  <li>R</li>
26                  <li>Prolog</li>
27              </ul></li>
28          <li>Statistics/Calculus/Algebra</li>
29          <li>Algorithms and Applied Mathematics
30              <ul>
31                  <li>Quadratic programming</li>
32                  <li>Partial differential equations</li>
33                  <li>Gradient descent</li>
```

```
34                    <li>Lagrange</li>
35                    <li>Convex optimization</li>
36            </ul></li>
37          <li>Natural Language Processing</li>
38          <li>Neural Networks</li>
39          <li>Communication and Collaboration Skills</li>
40          <li>Analytical Skills</li>
41          <li>etc. ...</li>
42      </ol>
43      <img src="image/study_2.jpg" alt="elements take to be an AI engineer">
44      </div>
```

```
 7    .grid-container{
 8      display: grid;
 9      grid-template-columns: auto auto;
10    }
11    .grid-container>ol{
12      grid-column: 1 / 2;
13      list-style-type: upper-roman;
14    }
15    .grid-container>img{
16      grid-column: 2 / 3;
17      width:800px;
18      height:300px;
19    }
```

E: outcome(pic)

5.

A: html code

```
47    <h2>What I need to do to achieve my goal</h2>
48    <ul>
49        <li>learn more about programming</li>
50        <li>learn more about algorithms</li>
51        <li>study about neural networks</li>
52        <li>Learn more about communication and collaboration skills</li>
53        <li>follow the newest technologies</li>
54        <li>work hard</li>
55    </ul>
56    <img src="image/study_1.jpg" alt="fantasy picture of AI engineer">
57    <br>
58    <img src="image/study_3.jpg" alt="fantasy picture of AI ">
```

B: outcome(pic)

What I need to do to achieve my goal

- learn more about programming
- learn more about algorithms
- study about neural networks
- Learn more about communication and collaboration skills
- follow the newest technologies
- work hard

C: desired

I want this part of webpage have a different style than other parts, like not centered, longer pictures etc.

D: html with css code

```html
46  <div class="flex-container">
47    <h2>What I need to do to achieve my goal</h2>
48    <ul>
49        <li>learn more about programming</li>
50        <li>learn more about algorithms</li>
51        <li>study about neural networks</li>
52        <li>Learn more about communication and collaboration skills</li>
53        <li>follow the newest technologies</li>
54        <li>work hard</li>
55    </ul>
56    <img src="image/study_1.jpg" alt="fantasy picture of AI engineer">
57    <br>
58    <img src="image/study_3.jpg" alt="fantasy picture of AI ">
59  </div>
```

```css
20    .flex-container{
21      display: flex;
22      flex-direction: row;
23      flex-wrap: nowrap;
24      justify-content: flex-start;
25      align-items: stretch;
26    }
27      .flex-container>h2{
28      flex: 0 0 300px;
29      }
30    .flex-container>ul{
31      flex: 1 0 400px;
32      list-style-type: circle;
33    }
34      .flex-container>img{
35      flex: 3 0 500px;
36      }
```

E: outcome(pic)

What I need to do to achieve my goal

- learn more about programming
- learn more about algorithms
- study about neural networks
- Learn more about communication and collaboration skills
- follow the newest technologies
- work hard