Exercise: Introduction to HTML and CSS
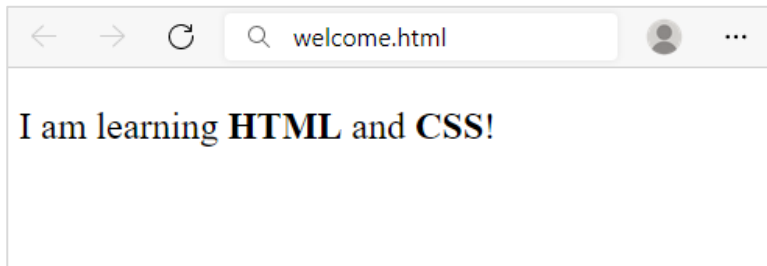
Problems for exercises and homework for the "HTML and CSS" course @ SoftUni.

1. Welcome to HTML

Create a Web Page like the following:
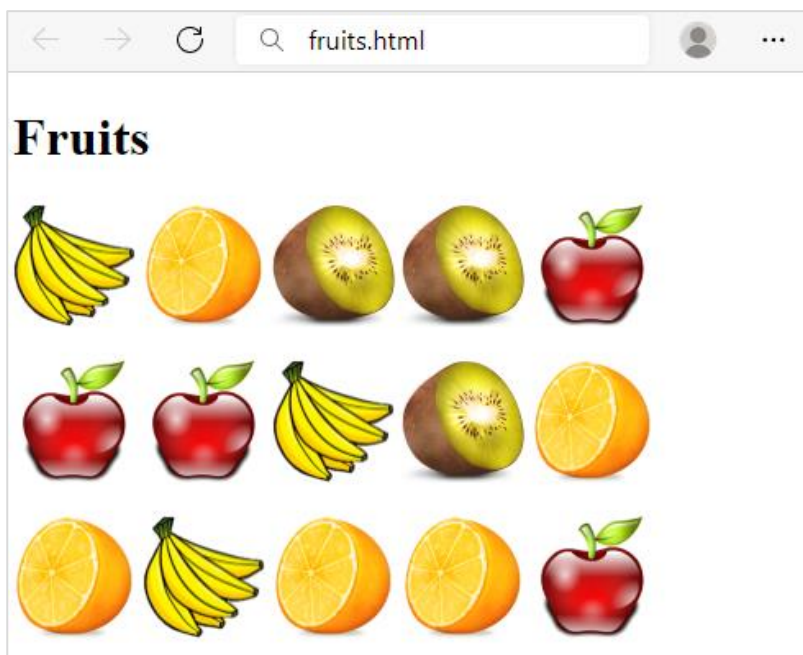

Create file named **welcome.html**. Use the texts from the file **site-texts.txt**.

Requirements

- Title: **Welcome**
- **<strong>** tag for **bold** text
- **<p>** tag for paragraph

2. Fruits

Create a Web Page like the following:

Create a file **fruits.html**.
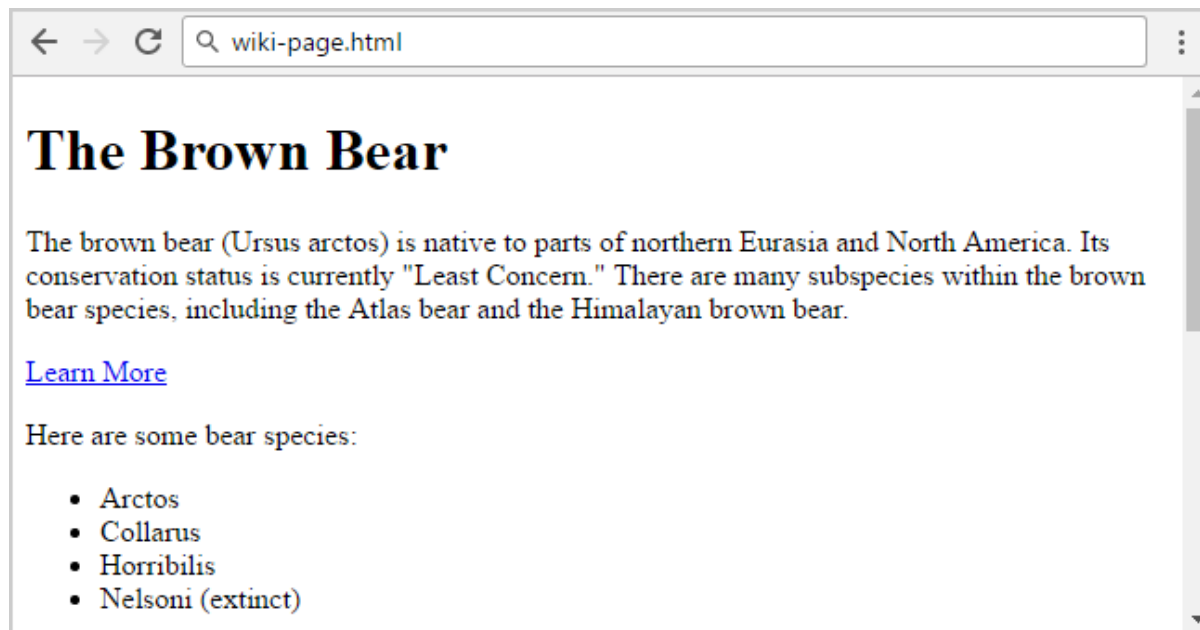
Requirements

- Title: **Fruits**
- **<h1>** tag for **heading**
- **<img>** tag for **images**

Follow us:

Hints

- Use 3 **paragraphs**, each holding 5 images

3. Wiki Page

Create a Web Page like the following:

Create file: `wiki-page.html`. Use the texts from the file **site-texts.txt**.
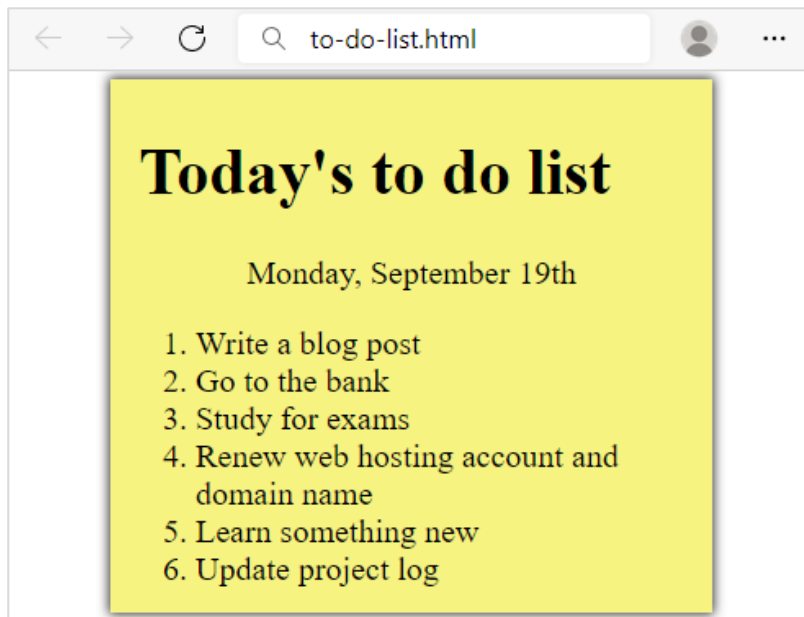
Requirements

- Title: **The Brown Bear**
  - **<h1>** for heading
- Hyperlink: https://en.wikipedia.org/wiki/Brown_bear

- Text: **use paragraph**
- List: **use ordered list** and **unordered list**
- Image: **bear.jpg**

4. To Do List

Create a Web Page like the following:

Create two files: **to-do-list.html** and **to-do-list.css**. Use the texts from the file **site-texts.txt**. Use the texts from the file **site-texts.txt**. Set the **html** title to be the same as the task name.

Requirements

- **<main>** with **class="my-list"** as container
  - Background Color: **#f7f381;**
  - Padding: **8px 24px**;
  - Width: **500px**;
  - Text size: **30px;**
  - Border: **1px solid #f7f381**;
  - box-shadow: **0 0 10px 2px #333333;**
- **<ol>**
  - Margin: **12px;**
- **<p>**
  - Center the text

Hints

- Center the **container**
- Heading: use **<h1>**
- Date: use **<p>** + center it
- List: use **<ol>**

5. Reversed List

Create a Web Page like the following:

Create two files: `reversed-list.html` and `reversed-list.css`. Use the texts from the file `site-texts.txt`. Set the `html` title to be the same as the task name.

Requirements

- **`<main>`** with **id=wrapper** as a **container**
  - Background color: **#dddddd;**
  - Text color: **#95191a;**
  - Width container: **300px;**
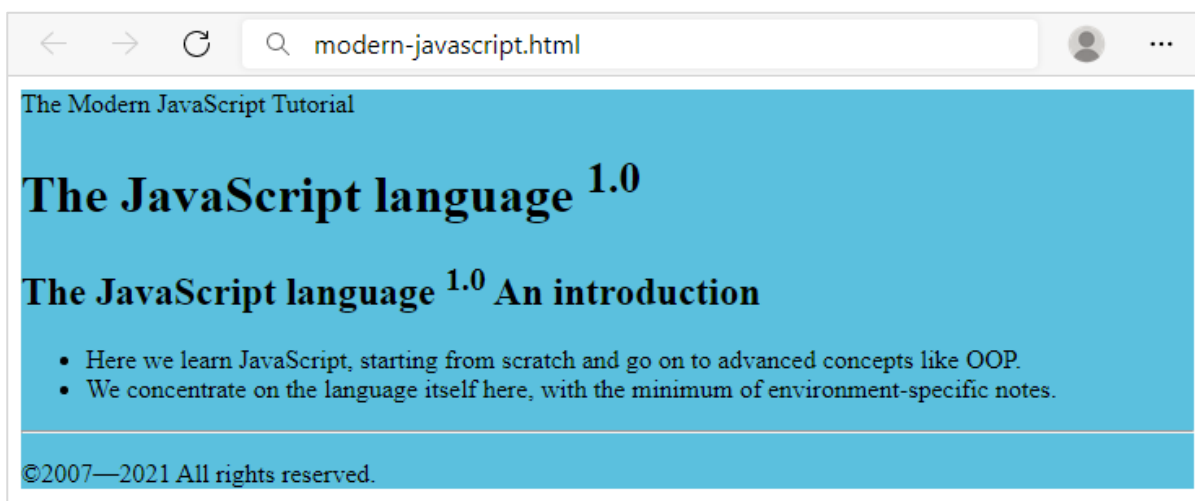 - Border: **1px solid #000000;**

Hints

Use:

- **`<ol>`** with **reversed** attribute
  - **`<ol reversed="reversed">`**
- Submit **only `reversed-list.html` + `reversed-list.css`** in **ZIP archive** file

6. The Modern JavaScript

Create a Web Page like the following using the texts from **`site-texts.txt`**.

Create two files: **`modern-javascript.html`** and **`modern-javascript.css`**. Set the `html` title to be the same as the task name.

Requirements

- **<main>** with **id=wrapper** as a **container**
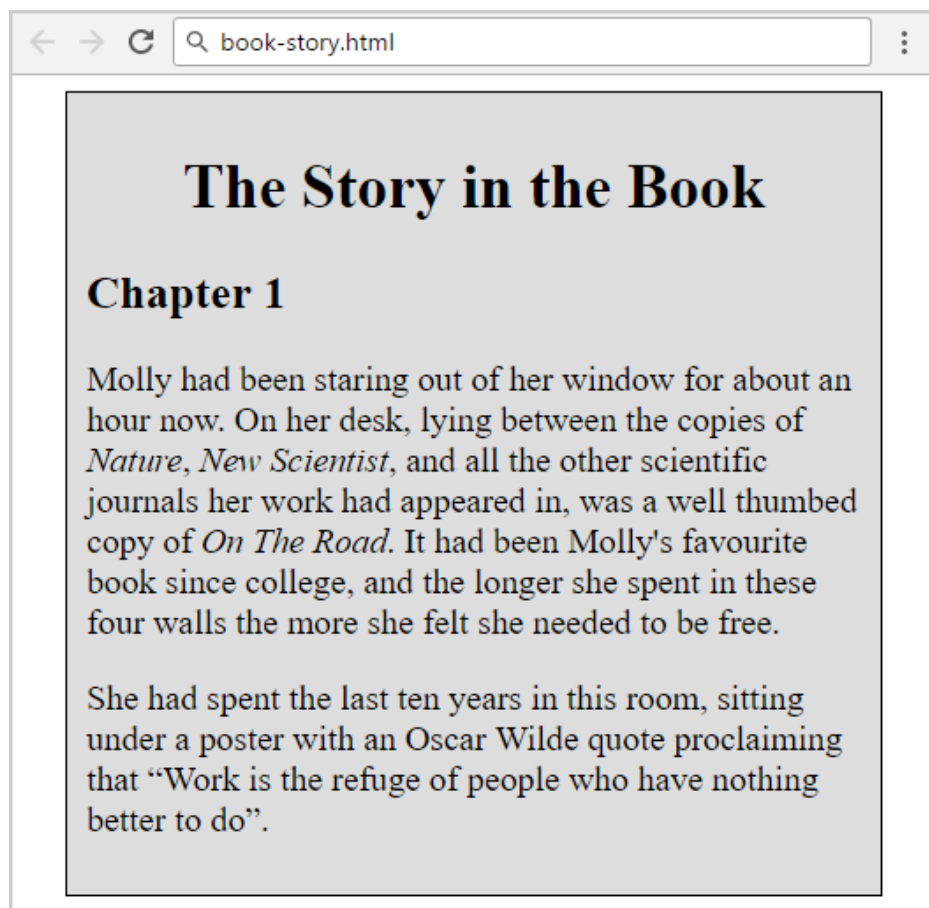 - Background color: **#5bc0de;**

Hints

Use:

- **<h1>** and **<h2>** tags for headings
- **<sup>** tag for **superscript text**
- **<p>** tag for paragraphs and **<span>**
- **<ul>** tag for list items
- **<hr />** for horizontal line
- **<footer>** tag for copyright part + **©** for copy right symbol

7. Book Story

Create a Web Page like the following using the texts from **site-texts.txt**. Set the **html** title to be the same as the task name.

Create two files: **book-story.html** and **book-story.css**. Set the **html** title to be the same as the task name. Set the **html** title to be the same as the task name.

Requirements

- **<main>** for the main container

- o   Width container: **400px;**
- o   Background color: **#dddddd;**
- o   Border: **1px solid #000000;**
- o   Margin Left**: 20px;**
- o   Padding**: 10px;**
- **<p>** tag for paragraph + **font-size: 18px;**
- **<em>** tag for italic text

Hints

Use:

- **<h1>** tag for heading + **center the text**
- **<q>** tag for quotation text
  - o   **q::before {**
    - **content: open-quote;**
    - **}**
  - o   **q::after {**
    - **content: close-quote;**
    - **}**

8. World Cup News

Create a Web Page like the following.

Create two files: `world-cup-news.html` and `world-cup-news.css`. Use the texts from the file `site-texts.txt`. Set the `html` title to be the same as the task name.
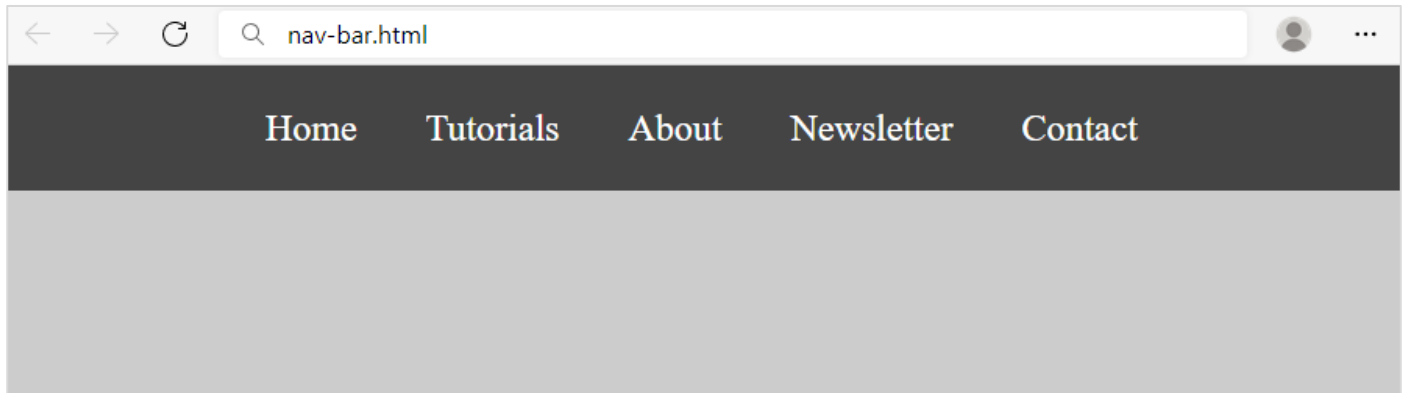
Requirements

- **<main>** with **id= "wrapper"** as a **container**
  - Width container: **700px;**
  - Height container: **730px;**
  - Border: **1px solid #000000;**
  - Center the **container**
  - Padding**: 10px 20px;**
  - Background Color: **#a6e1ec;**
- **<h1>** and **<h2>** tags for headings
- **<p>** tag for paragraph
- **<strong>** tag for **bold** text
- **<em>** tag for **italic** text
- **<img>** tag for images
  - Width: **200px;**
  - Margin Right: **10px;**
  - Vertical Align: **middle;**
- **<span class= "text">** for the text next to images
  - Text color: **#3f51b5;**
- **<li>** tag

- o Width: **595px;**
- o Padding: **10px;**
- o Margin Bottom: **5px;**
- o Font Size: **14px;**
- o Border: **1px solid #000000;**

9. Navigation Bar

Create a Web page, holding like the following navigation bar:

Use the texts from the file **site-texts.txt**.

Create two files: **nav-bar.html** and **nav-bar.css**.

Requirements

- **<body>**
  - o Margin: **0px;**
  - o Padding: **0px;**
  - o Background Color: **#CCCCCC;**
- **<nav>** tag as container
- **<ul>** tag for unordered list
  - o Background Color: **#444;**
  - o Center the text
  - o Padding: **0px;**
  - o Margin: **0px;**
  - o **list-style:none;**
- **<li>** tag for list item
  - o Text size: **24px;**
  - o Line Height: **40px;**
  - o Height: **40px;**
  - o Padding: **20px;**
- **<a>** tag for hyperlink
  - o **text-decoration: none;**
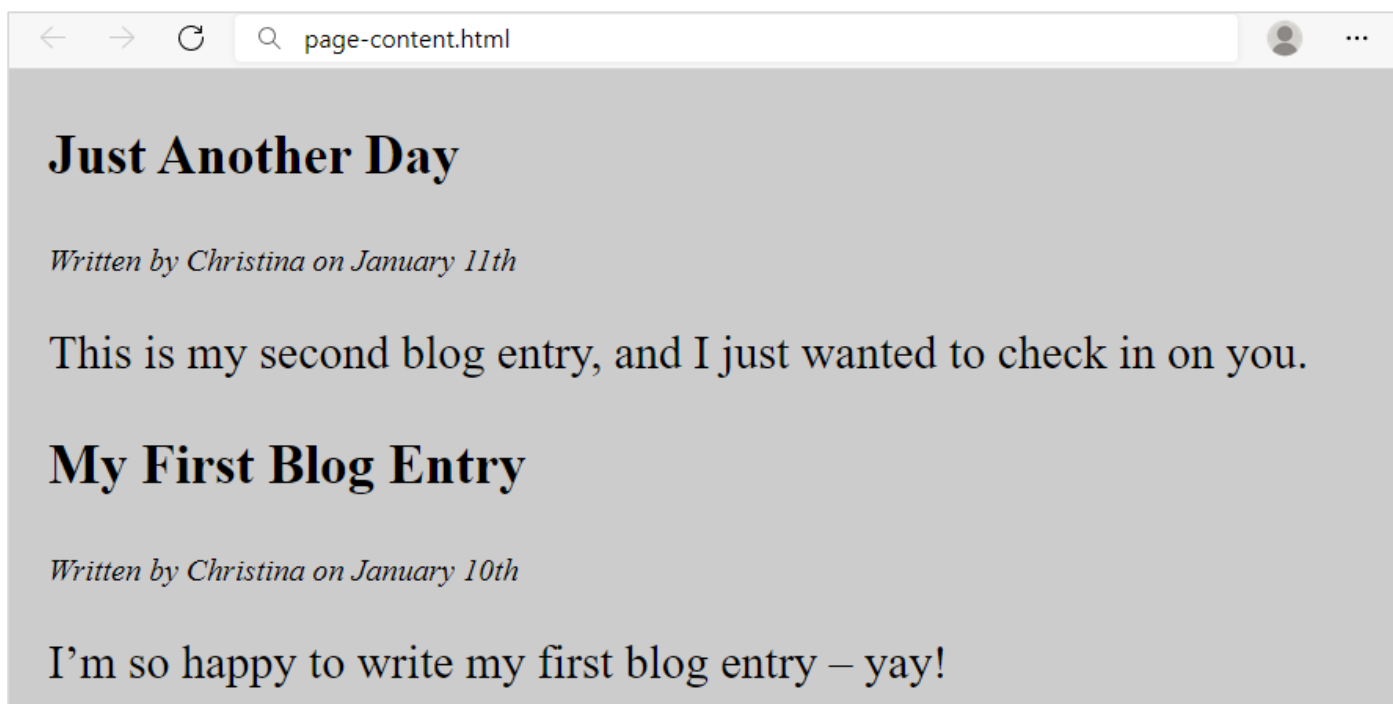 - o Text-Color: **#ffffff;**

Hints

Use:

- **<li>** with **display: inline-block;**

10. Page Content

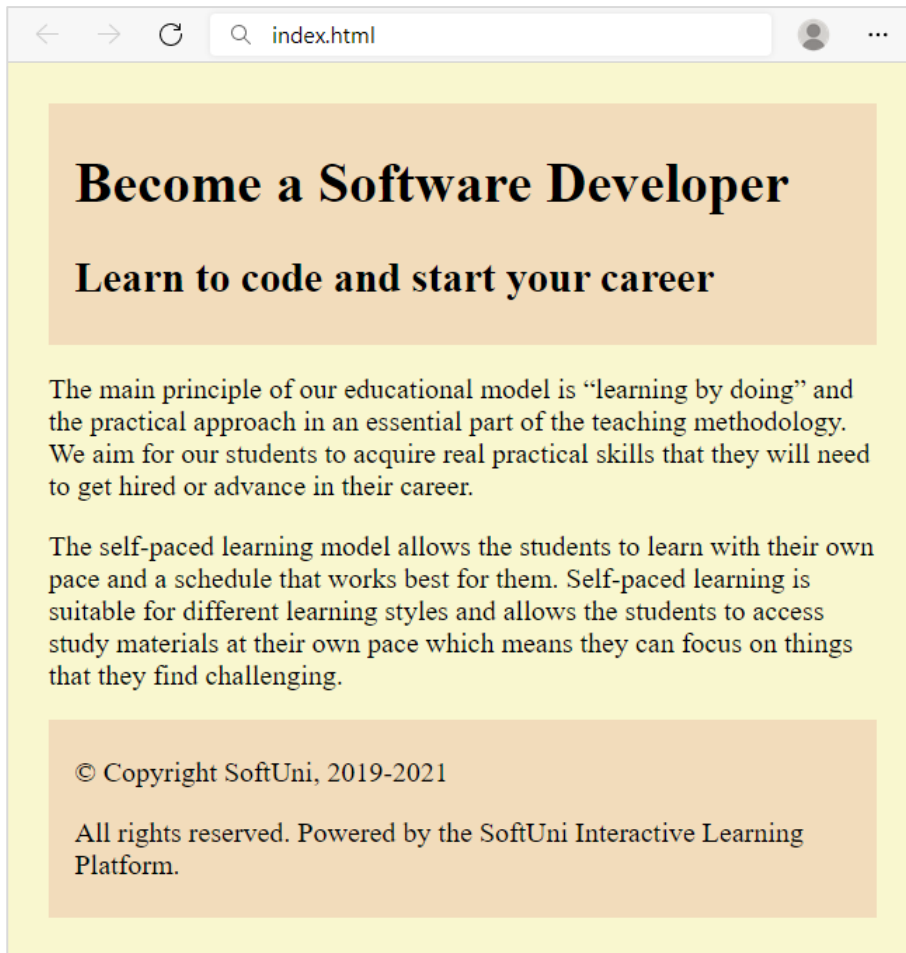Create a Web page like the show below, using the text from the file **site-texts.txt**.

Create two files: **page-content.html** and **page-content.css**.

Requirements

- **\<section\>** as a container
- **\<article\>** tag for content
  - **\<header\>** with:
    - **\<h1\>** Text size: **28px;**
    - **\<p\>** Font Style: **italic;**
- Paragraph
  - Text size: **24px;**
- **\<body\>**
  - Margin: **0px;**
  - Padding: **0px;**
  - Background color: **#CCCCCC;**
- **\<section\>**
  - Margin Left: **20px;**

11. Semantic Tags

Create a web page like the following:

Follow us:

Use the texts from the file **site-texts.txt**.

Create files: **index.html** and **styles.css**.

Requirements

HTML:

- The title should be "**Semantic Tags**"
- Add **header** tag for the header section
  - Use **h1** tag for the heading
- Add **main** tag for the main content
  - Create two paragraphs inside (**p** tag)
- Use **footer** tag for the last section
  - Create two paragraphs inside (**p** tag)

The CSS in the example above uses:

- **padding**: 15px, 5px 15px
- **background colors**: #f9f7cf, #f2dcbb
- **width**: 480px

Hints

```
···<!DOCTYPE html> == $0
  <html>
  ▶ <head>…</head>
  ▼ <body>
    ▶ <header>…</header>
    ▼ <main>
      ▶ <p>…</p>
      ▶ <p>…</p>
      </main>
    ▶ <footer>…</footer>
    </body>
  </html>
```

12. Semantic Article Page

Create a web page like the following:

```
←  →  C    G  index.html
```

Apple

Published: 9th October, 2009

An **apple** is a sweet, edible fruit produced by an apple tree (Malus pumila). Apple trees are cultivated worldwide and are the most widely grown species in the genus Malus.

The tree originated in Central Asia, where its wild ancestor, Malus sieversii, is still found today. Apples have been grown for thousands of years in Asia and Europe and were brought to North America by European colonists.

Apples have religious and mythological significance in many cultures, including Norse, Greek and European Christian traditions.
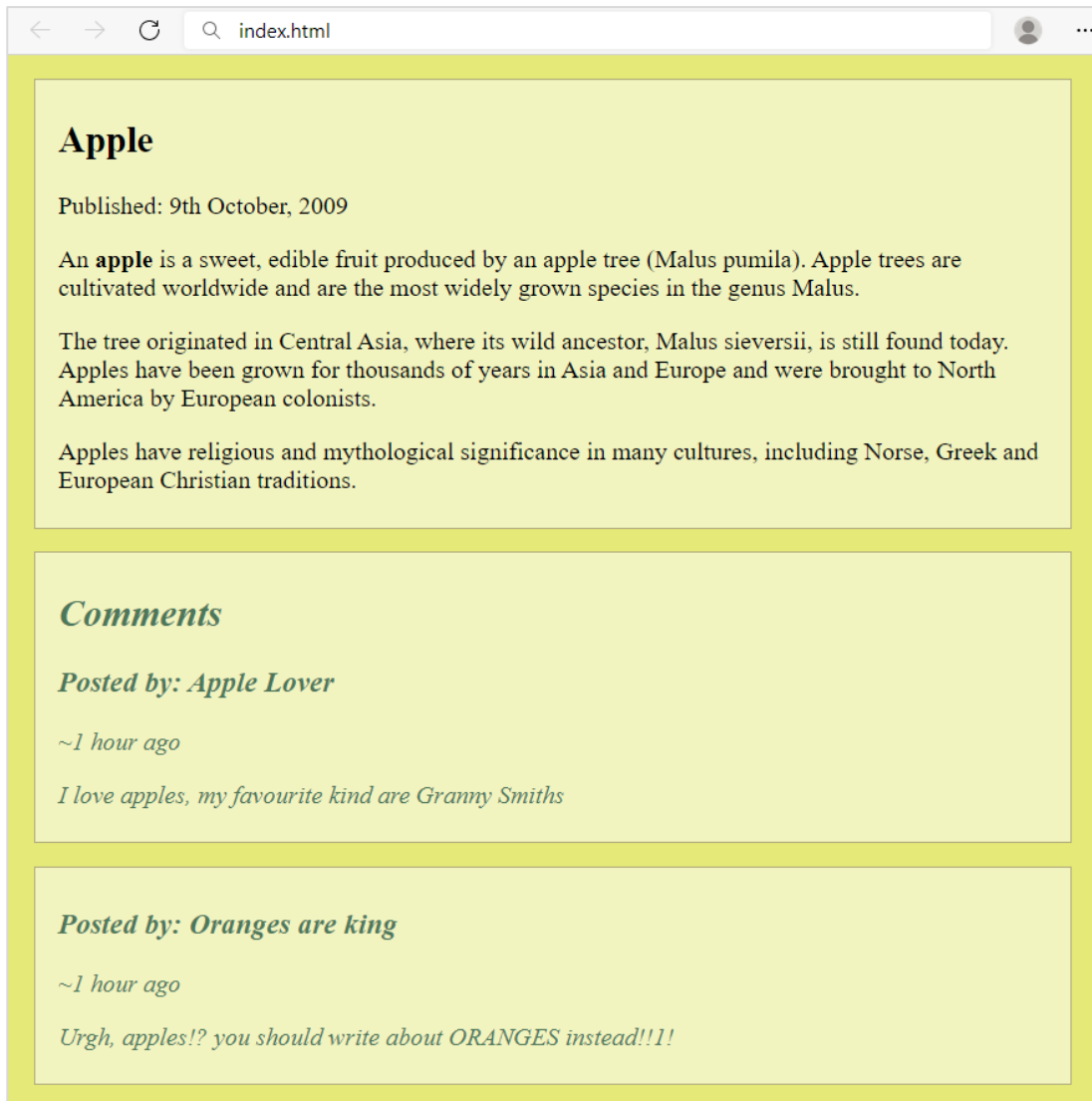
Comments

Posted by: Apple Lover

~1 hour ago

I love apples, my favourite kind are Granny Smiths

Posted by: Oranges are king

~1 hour ago

Urgh, apples!? you should write about ORANGES instead!!1!

Add CSS to make the Web page look better, like this:

Apple

Published: 9th October, 2009

An **apple** is a sweet, edible fruit produced by an apple tree (Malus pumila). Apple trees are cultivated worldwide and are the most widely grown species in the genus Malus.

The tree originated in Central Asia, where its wild ancestor, Malus sieversii, is still found today. Apples have been grown for thousands of years in Asia and Europe and were brought to North America by European colonists.

Apples have religious and mythological significance in many cultures, including Norse, Greek and European Christian traditions.

Comments

Posted by: Apple Lover

~1 hour ago

I love apples, my favourite kind are Granny Smiths

Posted by: Oranges are king

~1 hour ago

Urgh, apples!? you should write about ORANGES instead!!1!

Use the texts from the file **site-texts.txt**.

Create files: **index.html** and **styles.css**.

Requirements

- The title should be "**Semantic Article Page**"
- Use **article** tag to create an article
    - The article has header with **h1** heading and a **paragraph** for the published date inside
- Use **p** tag to create 3 paragraphs after the **header**.
    - The paragraphs contain the article content *(info for apple)*
    - Use **b** tag where is needed
- Use **section** tag to create the "**Comment section**"
    - Add **two articles** inside the section
    - Each **article** has a **heading (h2)** for the **title**
    - Each **article** has **two paragraphs** for the **time** and the **comment**

Used CSS in the example above:

- padding: 5px 15px;
- font-style: italic
- color: #5c6e91

- background colors: #f2f4c0, #e4e978, #4c7658;
- width: 700px
- border: 1px solid #b2ad7d;
- margin: 15px 10px;

13. Simple Website

Using the navigation bar and page content from the previous two exercises, create a Web page like the following:

Use the texts from the file **site-texts.txt**.

Create two files: **simple-website.html** and **simple-website.css**.

Requirements

- Use the **HTML** and **CSS** from previous two problems
- **<footer>** tag
  - Background color: **#444;**
  - **<p>** tag for text
  - Text Color: **#fff;**
  - Center the text
  - Padding: **10px**

Hints

Use:

- **©** for copyright symbol

14. Semantic Blog Layout

Create a **blog layout page**, which holds **header**, **footer** and **main**. The **main** should hold two **sections**, each holding two **articles**. It should look like this (without any styling):

Follow us:

A roundup, complete with code examples, showing off a variety of tools like Knex.js, Mongoose, TypeORM, Waterline, and Bookshelf.

Learn more at: https://www.sitepoint.com/javascript-typescript-orms/

By Michael Wanyoike. Published March 31rd

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Please contact Troy McClure for questions about these articles.
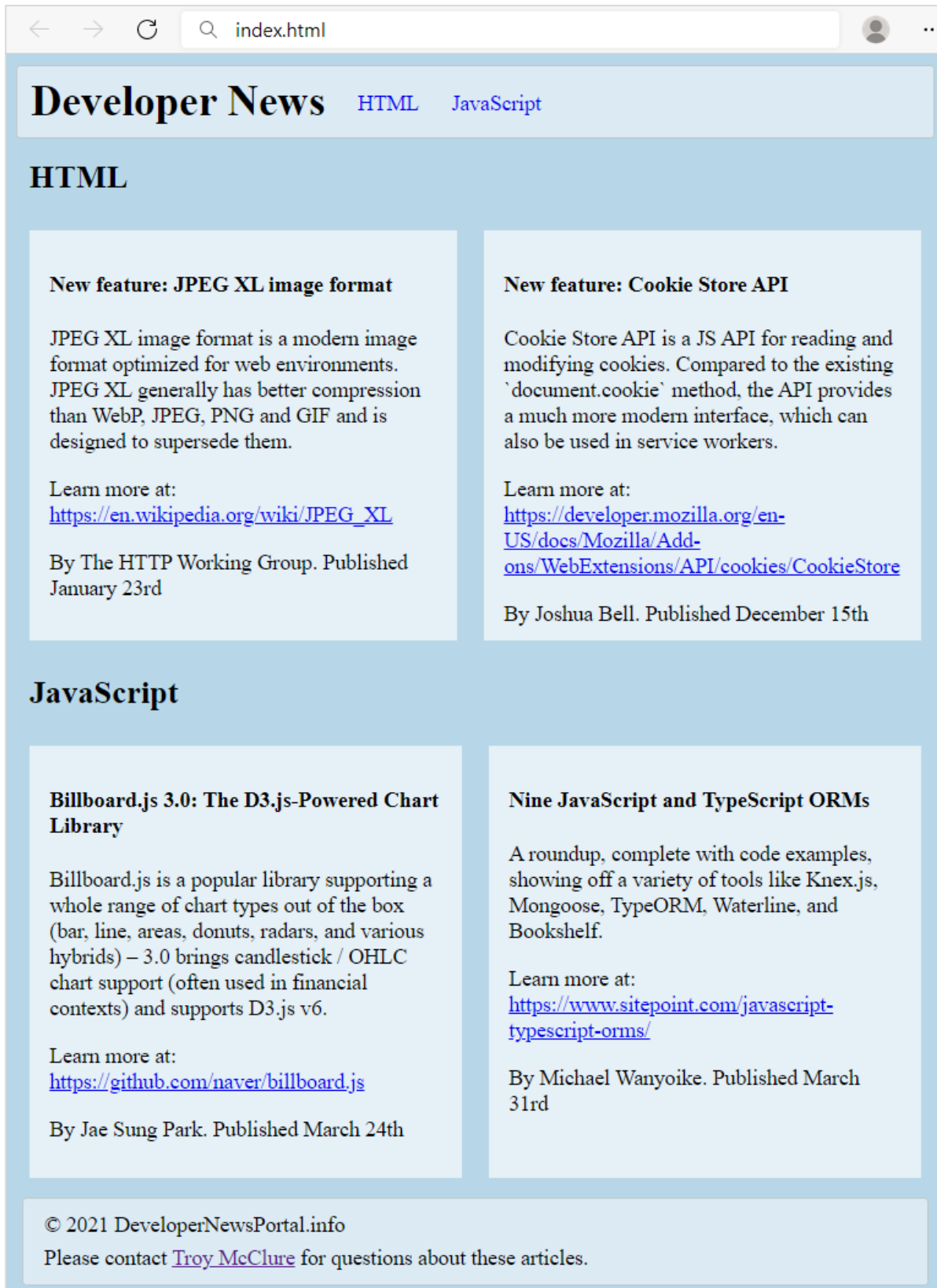
Use the texts from the file `site-texts.txt`.

Create files: `index.html` and `styles.css`.

Requirements

- The title should be "**Semantic Blog Layout**"
- Use **header** tag for the header section
  - Use **h1** tag for the heading
  - Use **nav** tag for the navigation with an unordered list (`ul`) inside
    - Create two **list** items with **anchor** (**a**) tags inside
- Use `main` tag for the page main content
  - Create two **sections** in the main. Each section has:
    - A **header** with **h2** heading
    - Two **articles** with **h4** heading and three **p** tags inside
    - For the dates use `time` tag
- Use `footer` tag with **two** paragraphs Inside
  - Use **anchor** tag for the name in the last sentence

Add CSS Styling

Add **CSS styling** to make the blog look better, like at the following screenshot:

Create files: **index.html** and **styles.css**.

Use the following **CSS styles** to make your HTML look like at the screenshot:

```css
header {
    border-radius: 3px;
    padding: 8px 10px;
    background-color: #dceaf4;
```

```css
    border: 1px solid #bfcacb;
}
header * {
    display: inline;
    vertical-align: middle;
}
nav ul {
  margin: 0;
  padding: 10px;
}
nav li {
  margin:10px;
}
nav li a {
    text-decoration: none;
}

body{
    background-color:#b7d7e8;
}

section h2 {
    margin: 15px 10px;
}

article {
    display: table-cell;
    width: 50%;
    padding: 10px 15px;
    background-color: #e5f0f7;
    border: 10px solid #b7d7e8;
}

footer {
    margin: 5px;
    padding: 5px 10px;
    border-radius: 3px;
    background-color: #dceaf4;
    border: 1px solid #bfcacb;
}

footer p {
    margin: 5px;
}
```