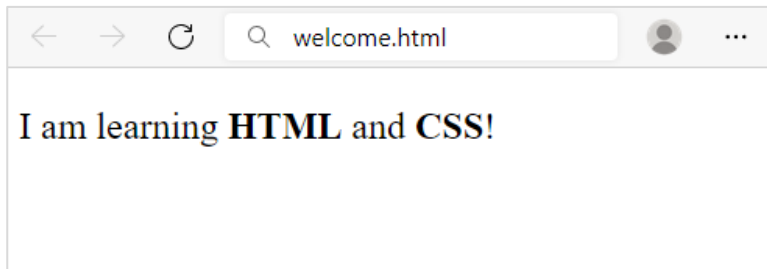


Exercise: HTML and CSS: Tags and Selectors

1. Welcome to HTML

Create a Web Page like the following:



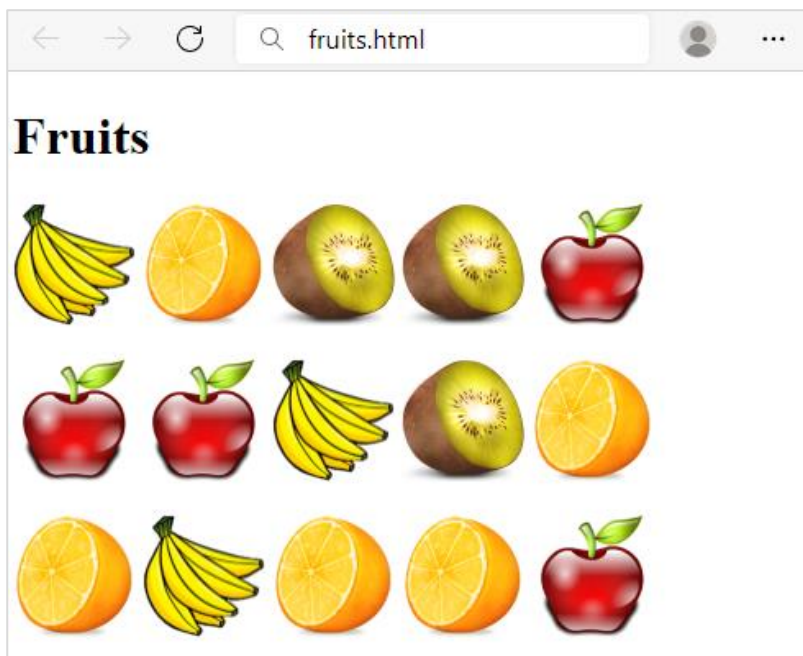
Create file named **welcome.html**. Use the texts from the file **site-texts.txt**.

Requirements

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

2. Fruits

Create a Web Page like the following:



Create a file **fruits.html**.

Requirements

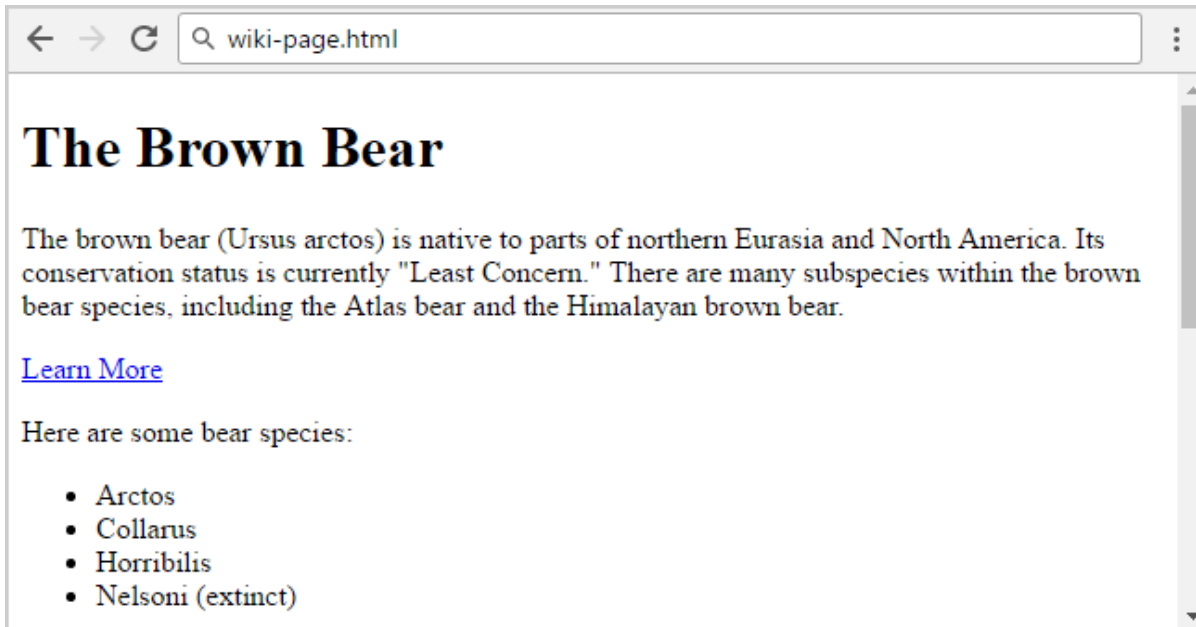
- Title: **Fruits**
- **<h1>** tag for **heading**
- **** tag for **images**

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**.

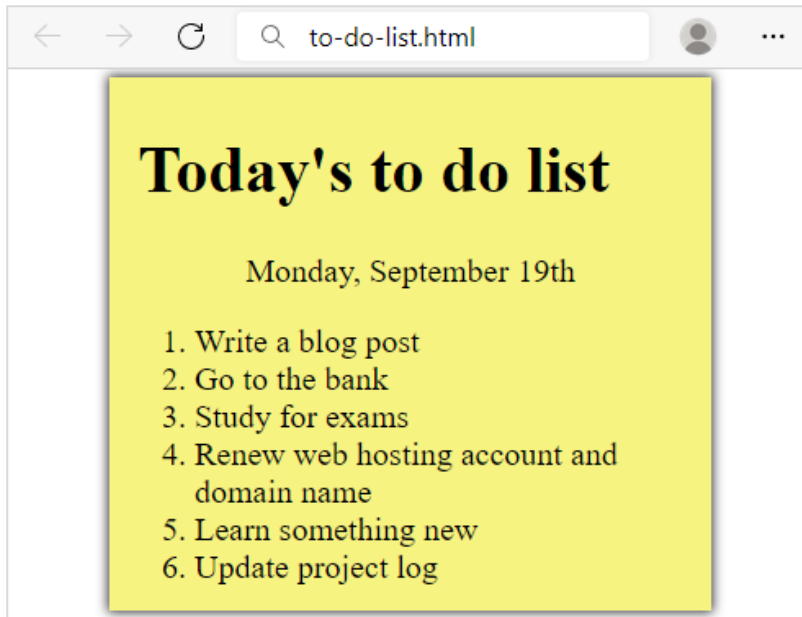
Requirements

- 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**. Set the **html** title to be the same as the task name.

Requirements

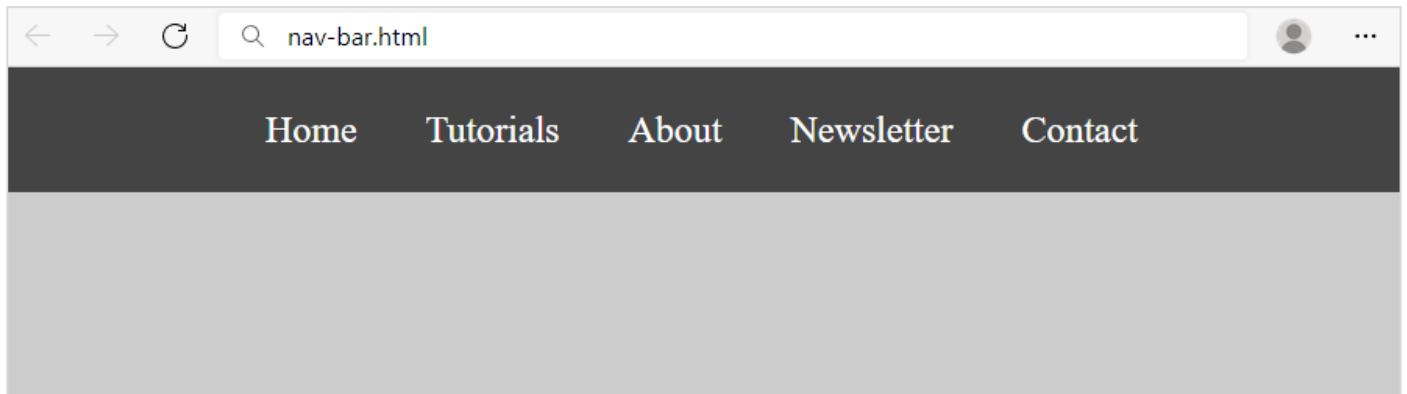
- **<main>** with **class="my-list"** as container
 - Background Color: **#f7f381**;
 - Padding: **8px 24px**;
 - Width: **500px**;
 - Text size: **30px**;
 - Border: **1px solid #f7f381**;
 - box-shadow: **0 0 10px 2px #333333**;
- ****
 - Margin: **12px**;
- **<p>**
 - Center the text

Hints

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

5. 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>**
 - Margin: **0px**;
 - Padding: **0px**;
 - Background Color: **#CCCCCC**
- **<nav>** tag as container
- **** tag for unordered list
 - Background Color: **#444**
 - Center the text
 - Padding: **0px**
 - Margin: **0px**
 - **list-style:none**
- **** tag for list item
 - Text size: **24px**
 - Line Height: **40px**
 - Height: **40px**
 - Padding: **20px**
- **<a>** tag for hyperlink
 - **text-decoration: none**
 - Text-Color: **#ffffff**

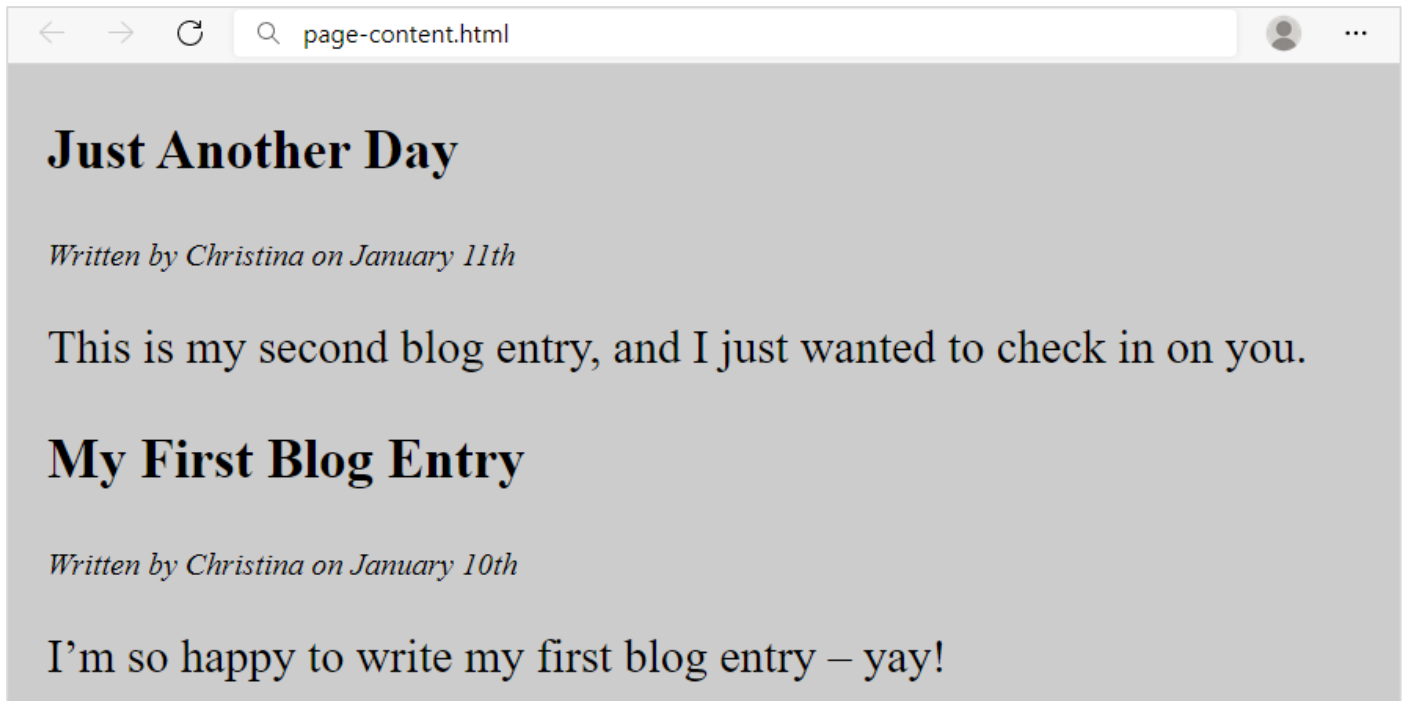
Hints

Use:

- **** with **display: inline-block**

6. 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**
- **<p>**
 - Text size: **24px**
- **<body>**
 - Margin: **0px**
 - Padding: **0px**
 - Background color: **#CCCCCC**
- **<section>**
 - Margin Left: **20px**

7. 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):

index.html

Developer News

- [HTML](#)
- [JavaScript](#)

HTML

New feature: JPEG XL image format

JPEG XL image format is a modern image format optimized for web environments. JPEG XL generally has better compression than WebP, JPEG, PNG and GIF and is designed to supersede them.

Learn more at: https://en.wikipedia.org/wiki/JPEG_XL

By The HTTP Working Group. Published January 23rd

New feature: Cookie Store API

Cookie Store API is a JS API for reading and modifying cookies. Compared to the existing `document.cookie` method, the API provides a much more modern interface, which can also be used in service workers.

Learn more at: <https://developer.mozilla.org/en-US/docs/Mozilla/Add-ons/WebExtensions/API/cookies/CookieStore>

By Joshua Bell. Published December 15th

JavaScript

Billboard.js 3.0: The D3.js-Powered Chart Library

Billboard.js is a popular library supporting a whole range of chart types out of the box (bar, line, areas, donuts, radars, and various hybrids) – 3.0 brings candlestick / OHLC chart support (often used in financial contexts) and supports D3.js v6.

Learn more at: <https://github.com/naver/billboard.js>

By Jae Sung Park. Published March 24th

Nine JavaScript and TypeScript ORMs

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**.

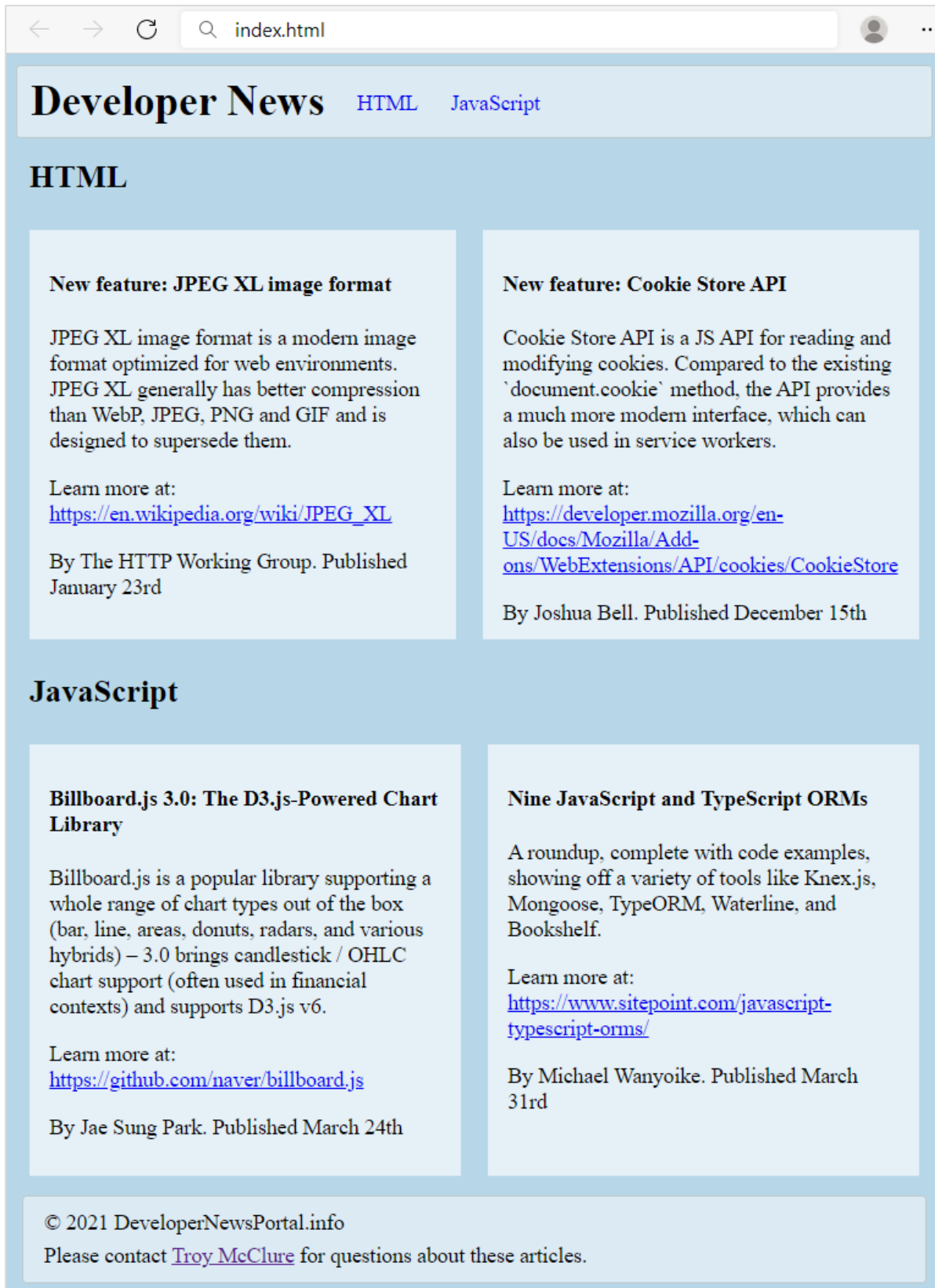
Create files: **index.html** and **styles.css**.

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:

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



```

    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;
}

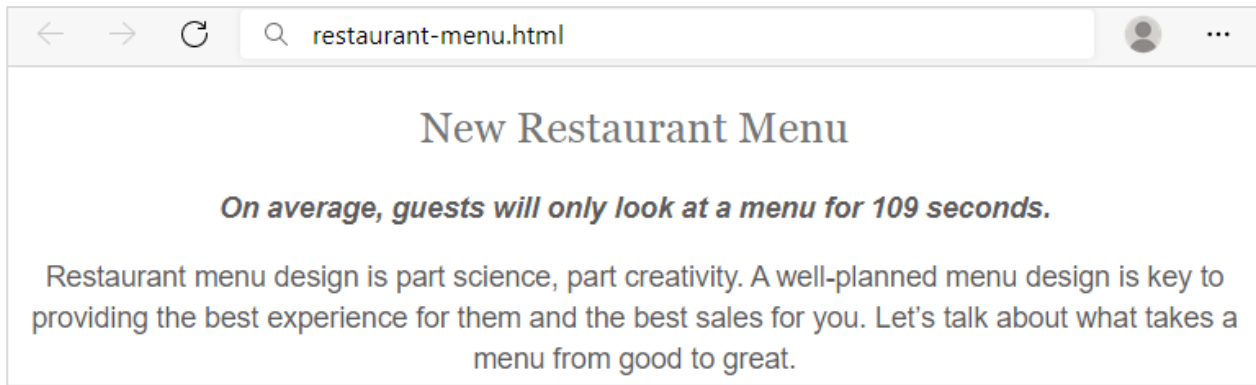
footer {
    margin: 5px;
    padding: 5px 10px;
    border-radius: 3px;
    background-color: #dceaf4;
    border: 1px solid #bfcacb;
}

footer p {
    margin: 5px;
}

```

8. Restaurant Menu

Create a web page like the following:



Requirements

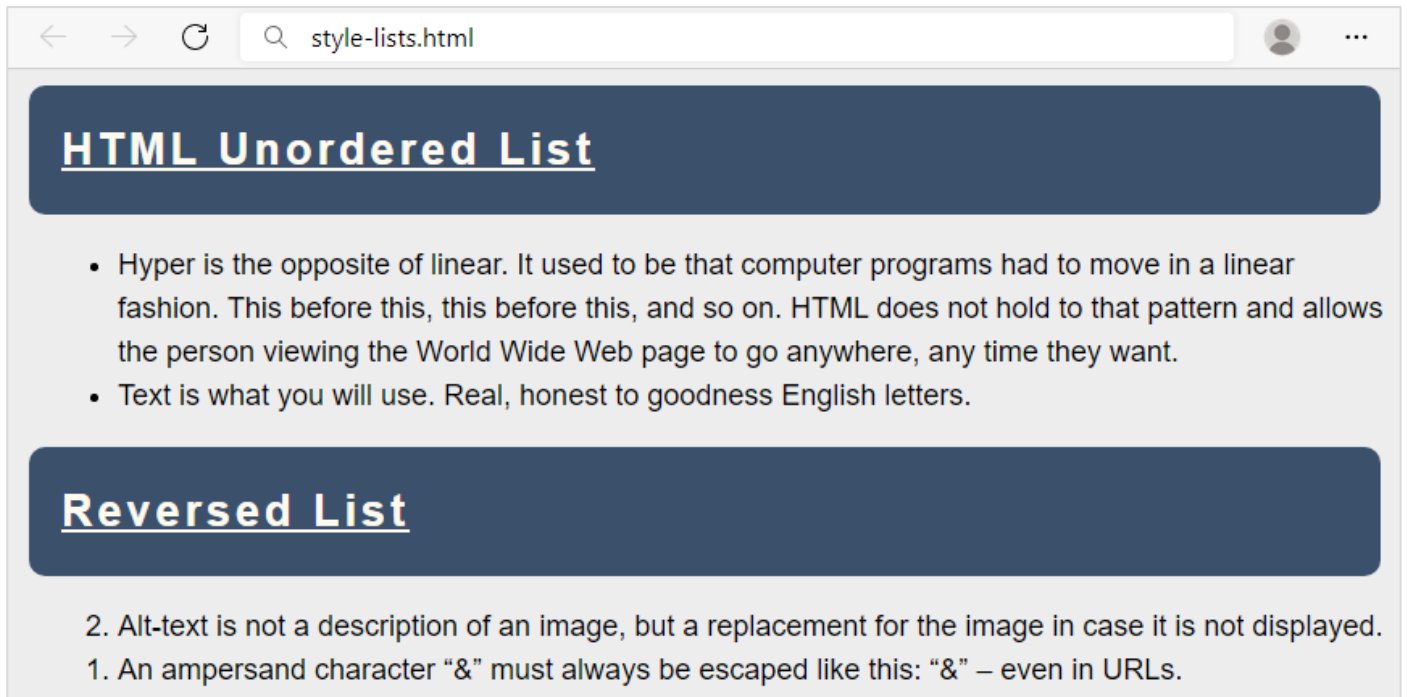
HTML with `<body>` that contains: `<article>`, `<h1>`, `` and `<p>`.

CSS:

- `<body>`
 - Align the **text** to the **center**
- `<h1>`
 - Fonts: **Sentinel A, Sentinel B, Georgia, Times New Roman, Times**
 - Generic Font: **serif**
 - Font weight: **400**
 - Height of the line: **1.15**
 - Text color: **#747474**
- ``
 - Fonts: **Graphik Semibold Web, Open Sans, Helvetica Neue, Helvetica, Arial**
 - Generic Font: **sans-serif**
 - Font style: **oblique**
 - Font weight: **600**
 - Font size: **16px**
 - Height of the line: **1.46**
 - Text color: **#5c5a5a**
- `<p>`
 - Fonts: **Graphik Regular Web, Helvetica Neue, Helvetica, Arial**
 - Generic Font: **sans-serif**
 - Font weight **400**
 - Font size: **16px**
 - Height of the line: **1.46**
 - Text color: **#5c5a5a**

9. Style Lists

Create a web page like the following:



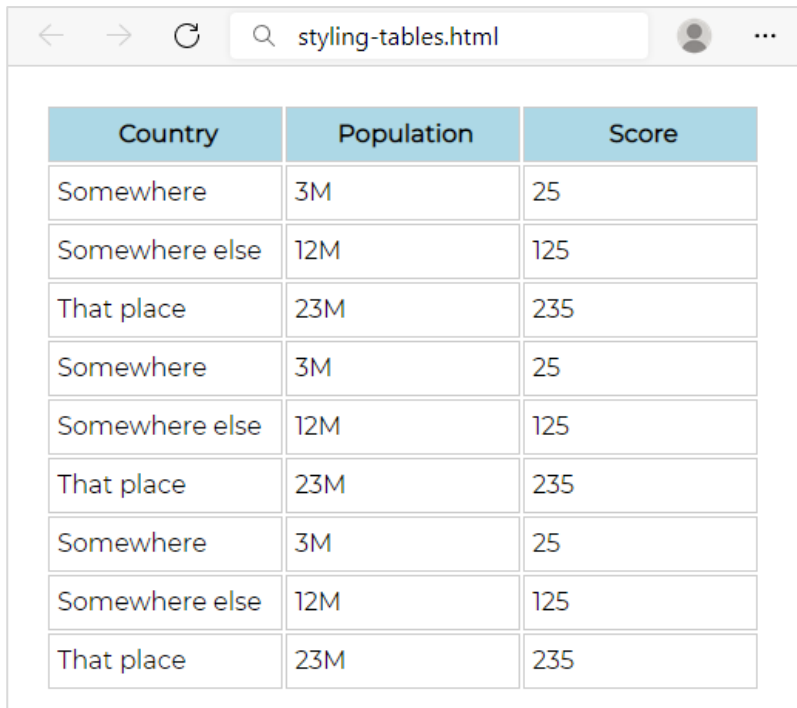
Requirements

You will be given a skeleton with **filled HTML** and an **empty CSS** file. Write the missing **CSS** following the guidelines in the task.

- **<body>**
 - Font: **Helvetica**
 - Generic Font: **sans-serif**
 - Height of the line: **1.5**
 - Font size: **18px**
 - Background color: **#EDEDED**
- **<h2>**
 - Decorate the text with **underline**
 - Paddings: **20px**
 - **Top & bottom** margin **10px**
 - **Left & right** margin **5px**
 - Space between letters: **3px**
 - Background color: **#3B516B**
 - Radius of the border: **10px**
 - Text color: **floralwhite**
- ****
 - Left margin: **20px**

10. Styling Tables

Create a web page like the following:



Country	Population	Score
Somewhere	3M	25
Somewhere else	12M	125
That place	23M	235
Somewhere	3M	25
Somewhere else	12M	125
That place	23M	235
Somewhere	3M	25
Somewhere else	12M	125
That place	23M	235

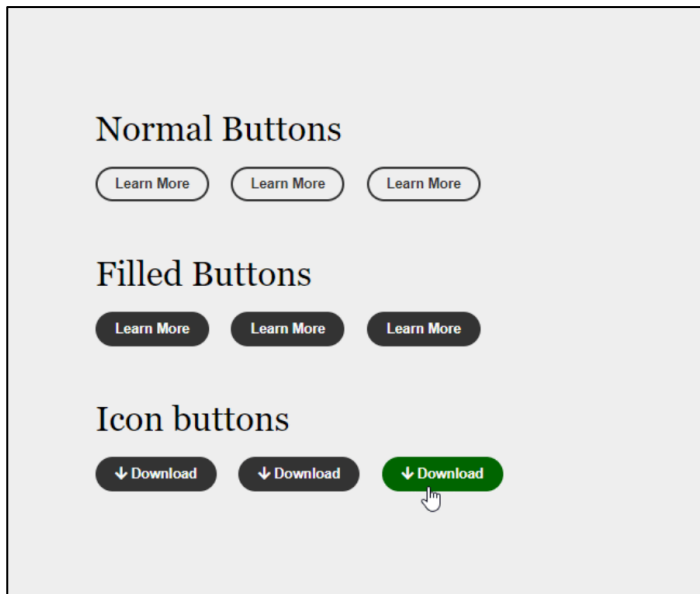
Requirements

You will be given a skeleton with **filled HTML** and an **empty CSS** file. Write the missing **CSS** following the guidelines in the task.

- **<body>**
 - Font: **Montserrat**
 - Use CSS import: **@import 'https://fonts.googleapis.com/css?family=Montserrat';**
 - Generic Font: **sans-serif**
 - Paddings: **16px**
- **<th>**
 - Background color: **lightblue**
- **<th> and <td>**
 - Width: **144px**
 - Height: **32px**
 - **Solid** border with size **1px** and color **#ccc**
 - Left padding: **5px**

11. Buttons CSS

Create a web page like the following:



Requirements

- Create an **"index.html"** file with title - **"Buttons CSS"**
- Use **h2** tag for headings
 - **font-family: Arial, Helvetica, sans-serif;**
- Create 9 buttons on 3 rows with class **button**
 - For the first button in each row use **a** tag
 - For the next two buttons in the row use **button** tags
 - The buttons in the second and the third row should have class - **fill**
 - Every last button in the row should have class - **hover**
- You must use the following three colors:
 - **green(0, 102, 0)**
 - **white(251, 251, 251)**
 - **gray(51, 51, 51)**
- Use **FontAwesome** for this task. Import it in your CSS, with the **@import** rule.
- CSS
 - **h2**
 - Set **font-family** to **Arial, Helvetica, sans-serif**
 - **a, .button**
 - **Border: 2px solid black**
 - **Border Radius**
 - Use a **15px border-radius**
 - **Padding: 8px 15px**
 - **Font-Family: Arial, Helvetica, sans-serif**
 - **Font Size: 14px**
 - **Text Color: rgb(51, 51, 51)**
 - **Background Color: white**
 - **Font Weight: bold**
 - **Margin: 5 px**
 - **Text Decoration: none**

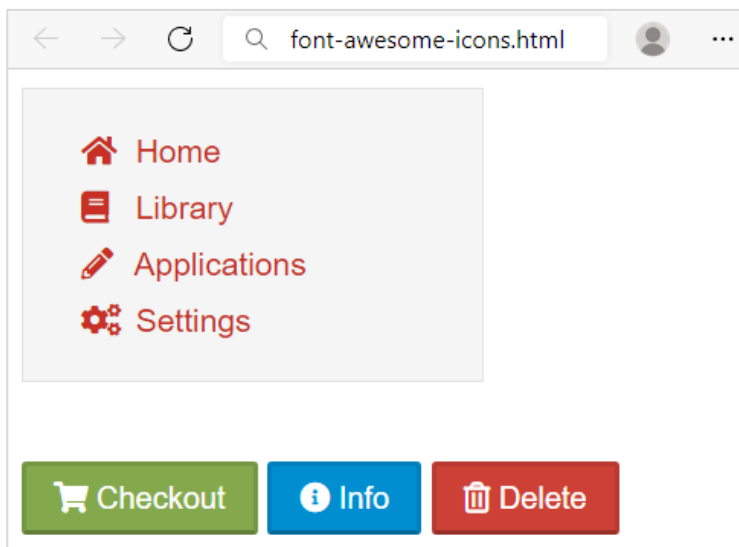
- **.fill**
 - Background Color: **black**
 - Color: **rgb(251, 251, 251)**
- **Hover States**
 - **.button.fill.hover: hover**
 - Background color: **rgb(0, 102, 0)**
 - Color: **white**
 - **.button.hover: hover:**
 - Color: **rgb(0, 102, 0)**
- **<i> with class .fa-arrow-down**
 - Color: **white**
 - Right Padding: 5px

Hints

- Change the **cursor** property to [pointer](#)
- Change the **outline** property to [none](#)
- **FontAwesome:** <https://use.fontawesome.com/releases/v5.6.3/css/all.css>

12. Font Awesome Icons

Create a web page like the following:



Requirements

HTML with **<body>** that contains: **<nav>** and separately **<p>**

- **<nav>** with
 - **** and in it
 - **** and in it
 - **<a>** and in it
 - **<i>** + text
- **<p>** with three buttons
 - **<button>** with **class="shopping"**
 - **<button>** with **class="info"**

- `<button>` with `class="delete"`

CSS:

- Import font awesome link
- `<body>`
 - Fonts: **proxima-nova**, "Helvetica Neue", Helvetica, Arial
 - Generic Font: **sans-serif**
- `<nav>`
 - Width: **200px**
 - **Solid** border with size **1px** and color **#e3e3e3**
 - Font size: **14px**
 - Height of the line: **20px**
 - Background color: **#f5f5f5**
- ``
 - **None** list style
 - Height of the line: **25px**
 - Left margin: **-15px**
- `<a>`
 - **None** text decoration
 - Text color **#c83025**
- `<i>`
 - Width: **1.14em**
 - Right padding: **0.28em**

For all the **buttons**

- **Top & bottom** padding **4px**
- **Left & right** padding **12px**
- Height of the line: **20px**
- Text color: **#ffffff**
- Border color: **rgba(0, 0, 0, 0.1) rgba(0, 0, 0, 0.1) rgba(0, 0, 0, 0.25)**
- Cursor: **pointer**

For the **button.shopping**:

- Background color: **#83a94c**

For the **button.info**:

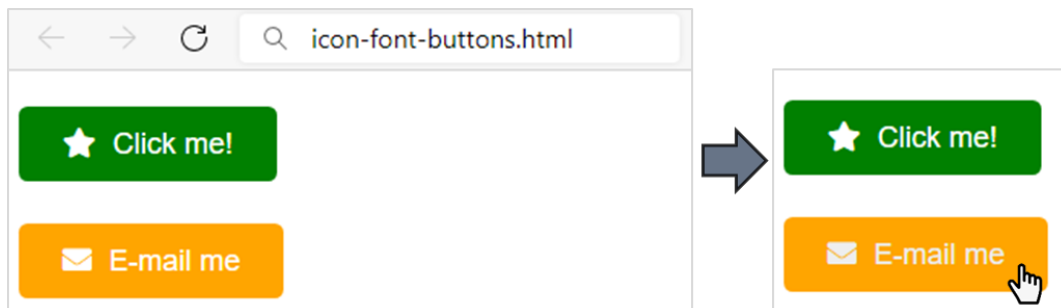
- Background color: **#008ed0**

For the **button.delete**:

- Background color: **#cc4036**

13. Icon Font Buttons

Create a web page like the following:



Requirements

You will be given a skeleton with **HTML** and an **empty CSS** file. Write the missing **CSS and HTML** following the guidelines in the task.

Add icons with the following classes in the **HTML <a>** tag: **fas fa-star**, **fas fa-envelope**.

- **<body>**
 - Font: **Arial**
 - Generic Font: **serif**
 - Height of the line: **3**
 - Font size: **18px**
- **<a>**
 - **None** text decoration
 - Text color: **#fff**
 - Set the border radius to **5.40px**
 - **Top & bottom** paddings **12.6px**
 - **Left & right** paddings **27px**
- When the mouse course is over (**a:hover**):
 - Change the **text color** to **#eee**
- **<i>**
 - Right padding: **5.40px**
- The **anchor** with **class="green"** (you can select them like that: **.green**)
 - Background color: **green**
- The **anchor** with **class="orange"** (you can select them like that: **.orange**)
 - Background color: **orange**
- Use **FontAwesome** for this task. Import it in your CSS, with the **@import** rule