

Responsive Web Design – Lab

Topics Covered

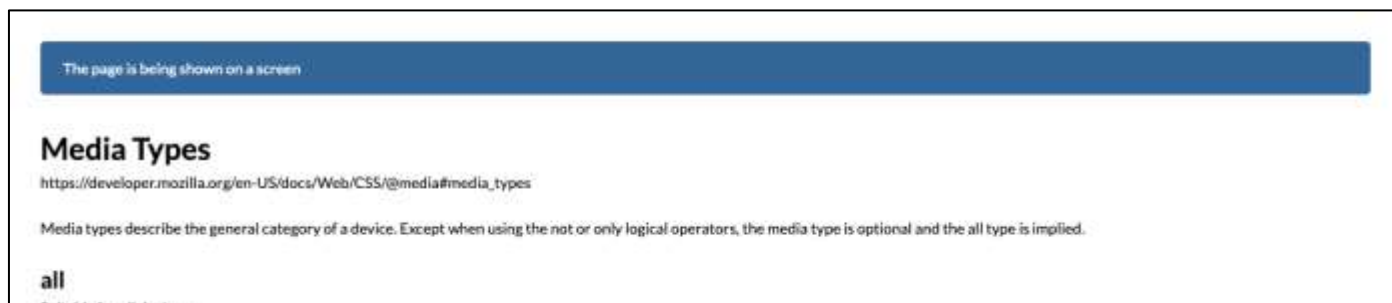
Responsive web design (RWD) is a web design approach to make web pages render well on all screen sizes and resolutions while ensuring good usability. It is the way to design for a multi-device web. In this article, we'll help you understand some techniques that can be used to master it.

Resources

- **Responsive design**
 - https://developer.mozilla.org/en-US/docs/Learn/CSS/CSS_layout/Responsive_Design
- **Beginner's guide to media queries**
 - https://developer.mozilla.org/en-US/docs/Learn/CSS/CSS_layout/Media_queries

Tasks

1. Media Types



For full screenshot check the *screenshot.png* file in the folder for the task

Objective:

Create a webpage that looks like the screenshot above.

Requirements:

1. **File Setup:**
 - Create an **HTML** document named **media-types.html**
 - Create a **CSS** file named **media-types.css**
2. **Element creation**
 - Add title of the page in an **<h1>** element
 - Add **<h2>** elements and **p** elements for each **<h2>** as shown on the screenshot
3. **Styling**
 - Add the standard reset styling – padding, margin, box-sizing
 - Add the following styles the body element:
 1. Padding – 2em
 2. Font – 14px/1.5 Lato, sans-serif
 - Add padding-bottom of 1.5em to all paragraphs
 - Add the following styles to the body's **::before** pseudo element

1. Background-color - #369
 2. Color - #fff
 3. Padding – 1em 1.5em
 4. Margin-bottom – 2em
 5. Border-radius – 0.3em
- Add the media queries outlined in the text and screenshot

2. Media Features



For full screenshot check the screenshot.png file in the folder for the task

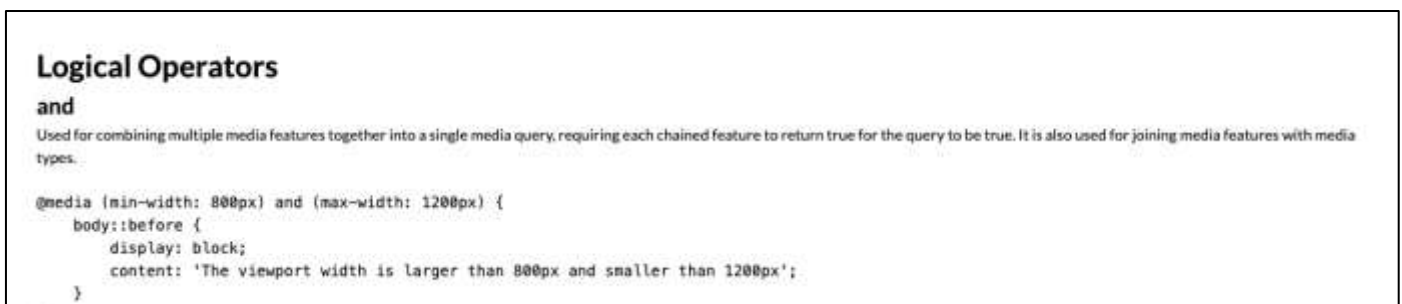
Objective:

Create a webpage that looks like the screenshot above.

Requirements:

4. **File Setup:**
 - Create an **HTML** document named **media-features.html**
 - Create a **CSS** file named **media-features.css**
5. **Element creation**
 - Add title of the page in an **<h1>** element
 - Add **<h2>** elements and p elements for each **<h2>** as shown on the screenshot
6. **Styling**
 - Copy styling from Task 1
 - Add the media queries outlined in the text and screenshot

3. Logical Operators



For full screenshot check the screenshot.png file in the folder for the task

Objective:

Create a webpage that looks like the screenshot above.

Requirements:

7. **File Setup:**

- Create an **HTML** document named **logical-operators.html**
- Create a **CSS** file named **logical-operators.css**

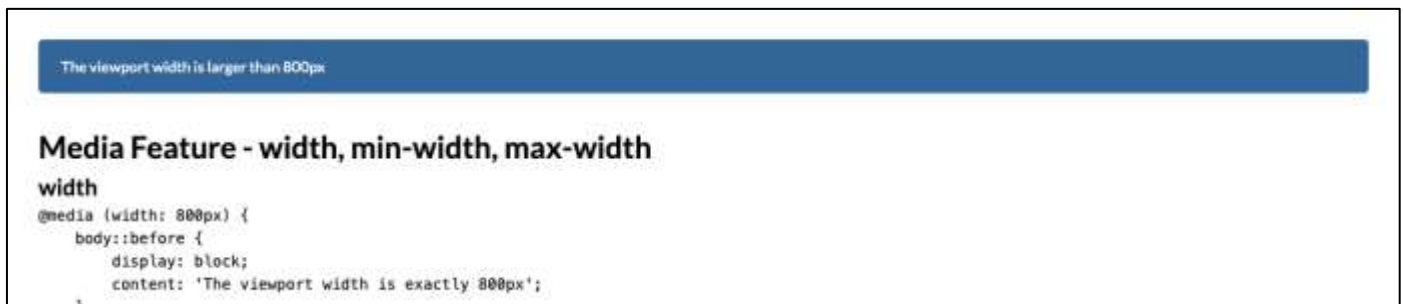
8. Element creation

- Add title of the page in an **<h1>** element
- Add **<h2>** elements and p elements for each **<h2>** as shown on the screenshot

9. Styling

- Copy styling from Task 1
- Add the media queries outlined in the text and screenshot

4. Media Feature – width



For full screenshot check the screenshot.png file in the folder for the task

Objective:

Create a webpage that looks like the screenshot above.

Requirements:

10. File Setup:

- Create an **HTML** document named **media-feature-width.html**
- Create a **CSS** file named **media-feature-width.css**

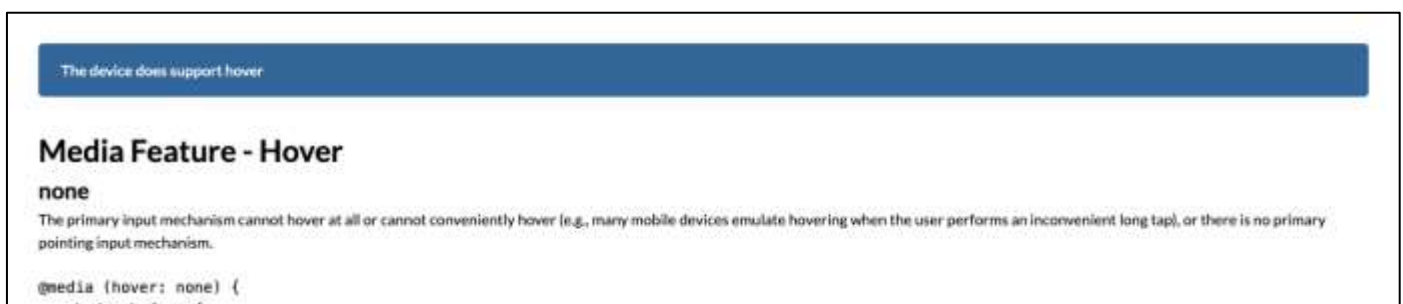
11. Element creation

- Add title of the page in an **<h1>** element
- Add **<h2>** elements and p elements for each **<h2>** as shown on the screenshot

12. Styling

- Copy styling from Task 1
- Add the media queries outlined in the text and screenshot

5. Media Feature – hover



For full screenshot check the screenshot.png file in the folder for the task

Objective:

Create a webpage that looks like the screenshot above.

Requirements:

13. File Setup:

- Create an **HTML** document named **media-feature-hover.html**
- Create a **CSS** file named **media-feature-hover.css**

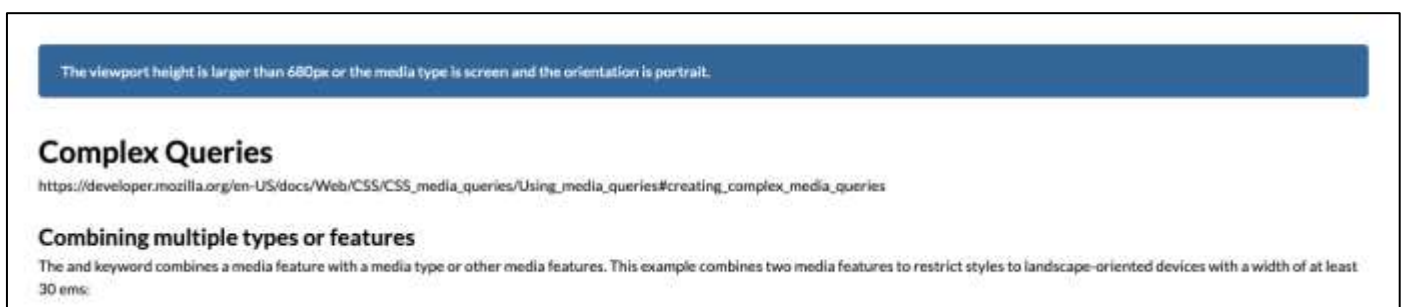
14. Element creation

- Add title of the page in an **<h1>** element
- Add **<h2>** elements and p elements for each **<h2>** as shown on the screenshot

15. Styling

- Copy styling from Task 1
- Add the media queries outlined in the text and screenshot

6. Complex Queries



For full screenshot check the screenshot.png file in the folder for the task

Objective:

Create a webpage that looks like the screenshot above.

Requirements:

16. File Setup:

- Create an **HTML** document named **complex-queries.html**
- Create a **CSS** file named **complex-queries.css**

17. Element creation

- Add title of the page in an **<h1>** element
- Add **<h2>** elements and p elements for each **<h2>** as shown on the screenshot

18. Styling

- Copy styling from Task 1
- Add the media queries outlined in the text and screenshot