1. **Change Text Alignment Based on Screen Size**: Write CSS to align the text of a paragraph (<p>) to:
   * Center for screens smaller than 500px.
   * Left-align for screens wider than 500px.
2. **Adjust Padding for a Container**: Create a media query that changes the padding of a div:
   * Set padding to 10px for screens smaller than 700px.
   * Set padding to 30px for screens wider than 700px.
3. **Toggle Button Visibility**: Write CSS to:
   * Hide a button (<button>) for screens smaller than 600px.
   * Show the button for screens wider than 600px.
4. **Change Font Color Based on Screen Width**: Write a media query that changes the color of an h2 element:
   * Set the font color to blue for screens smaller than 800px.
   * Set the font color to green for screens wider than 800px.
5. **Switch Image Size Based on Screen Width**: Use media queries to:
   * Display an image at 100% width on screens smaller than 500px.
   * Display the image at 50% width on screens wider than 500px.
6. **Change Box Shadow for Larger Screens**: Use media queries to:
   * Remove the box shadow from a div for screens smaller than 600px.
   * Add a box shadow for screens wider than 600px.
7. **Change Button Background Color Based on Orientation**: Using media queries, write CSS to:
   * Set the background color of a button to orange in **portrait** orientation.
   * Set the background color of the button to teal in **landscape** orientation.
8. **Adjust Header Size for Different Devices**: Use media queries to change the size of an h1 element:
   * Set the font size to 20px for screens smaller than 400px.
   * Set the font size to 28px for screens between 400px and 900px.
   * Set the font size to 36px for screens larger than 900px.
9. **Hide/Show Navigation Menu Based on Screen Width**: Use media queries to:
   * Hide a navigation bar (<nav>) for screens smaller than 500px.
   * Show the navigation bar for screens larger than 500px.
10. **Change Border Radius Based on Device Orientation**: Using media queries, modify a div:
    * Set the border-radius to 0 for **portrait** orientation.
    * Set the border-radius to 20px for **landscape** orientation.