

Q1: : What are media queries in CSS, and why are they important for responsive design?

Media queries are special rules in CSS that let a webpage **change its style depending on the device or screen size.**

They are important because:

- They help make websites **responsive** (look good on mobile, tablet, and desktop).
- They adjust things like **font size, layout, colors, or images** for different screens.
- Without media queries, a site might look fine on a computer but messy on a phone.

In short: **Media queries = adjust design for different screen sizes.**

Q2: Write a basic media query that adjusts the font size of a webpage for screens smaller than 600px.

This code will make the **font size smaller** on screens less than **600px wide** (like mobile phones):

```
@media (max-width: 600px) {  
  body {  
    font-size: 14px;  
  }  
}
```