

Thando Xalabile

[thandoxalabile@gmail.com](mailto:thandoxalabile@gmail.com)

**Answer sheet: part 1 Zaio**

- 1) A `<span>` tag in HTML is a conventional inline holder for expressing content, which does not inalienably address anything. It very well may be utilized to gather components for styling purposes. Also used to mark up parts of a text or document.
- 2) Placeholder is to indicate a short clue that depicts the email value of an info field. It can likewise be portrayed as a character, word, or series of characters that incidentally replaces the final information.
- 3) CSS is known as Cascading it describes how HTML elements are to be displayed on screen, paper, or in other media. **CSS** saves a lot of work as it controls the layout of multiple web pages all at once. Then SCSS simply a more advanced version of CSS and contains more features than those of CSS.
- 4) Px stands for pixels which are considered to be absolute units and they are fixed and do not change based on other elements.
  - Em are relative units to the parent element which more powerful unit size than px since it is relative. It implies that we can set a proportion for it. comparative with the text dimension of the component.
  - REM are relative units to the root element such as the HTML Tags
  - vh is useful for creating full height elements (100%) that fill up the entire viewport's height. Of course, you can use any percentage of the viewport's height to achieve other goals, such as 50% for half the height
- 5) This class or div name ".attention" is for the round picture and the arrow.

**width:100%;** will make the component as wide as the parent container meaning the width will be to its full width.

**margin: .5em auto 0;** , this will influence the component so that it will be 5em to the top and the program will choose an appropriate edge to one side since its auto (for this situation it will focus the whole holder) at that point on the left

it will be zero. **edge** makes additional dividing around the component of consideration.

**Text-adjust: focus;** indicates the level arrangement of text that it ought to be in the middle in this class called **attention**. The **.me** class is inside the **attention** and it covers the picture/avatar margin top : 2em, sets the edge area by 2em on the head of the class called **.me** .

**width: 3em** : will cause the **me** component to be wider by 3em

**border-radius:50%;** will be adjusted on the edges of the **me** component's external boundary edge by half. The range will be set for each side in the four side.

The **.arrow** component is likewise inside the consideration and it covers the arrow picture

**width: 15em** : will make the **arrow** class be wide by 15em

- 6) The code is a CSS code for a div class named **button**

**width: calc(100% - 2em)** will cause the **button** to be wider by the outcomes from the estimation or rather calculation from( **calc()** ). **Calc()** when 2em is being subtracted from 100% of the width.

**margin: 0** means there won't be any effect on the margin or rather sides of the page they will stay the same at 0

**background** : #8800ff as a color will take an effect at the background of the page.

**Color:** The color of the background styled to white

**border** : Cover an area with lines or shadow but on this code there won't be any border to cover that area

**cursor** : commands that the cursor to be displayed when pointing the element will be a pointer like a finger pointing where to click or rather where the mouse is.

- 7) **Media queries** are useful when you want to modify your site or app depending on a device's general type (such as print vs. screen) or specific characteristics and parameters (such as screen resolution or browser viewport width) media queries are used to determine the size of a screen depending on a particular device and how information should be displayed when the size of the screen is equal to a particular device.

- 8) **@media** only screen and (min-width: 768px) -> the *only* keyword is used to prevent older browsers that do not support media queries with media features from applying the specified styles. This will take effect

when the browser experiences that the width is now 768px or above and this is what will happen on the elements:

- The font size of the body will be 20px.

- The button width will be 60% against its parent container, The *“!important”* will override all

previous styling on the width property on the element.

- The input's width will be affected by the calculation result of `calc(60% - 1em)` and it will override all the previous styling on the width property.

- 9) The z-index is used to determine the order of items in each stack, with higher z-index being placed meaning that the higher the z index the higher the item or element will be displayed

- 10) **Bootstrap** is a potent front-end framework used to create modern websites and web apps. It's open-source and free to use, yet features numerous HTML and CSS templates for UI interface elements such as buttons and forms. It also supports javascript extensions. It is more responsive and mostly useful for optimised pages. Can be use in different devices with small to larger screen. Mostly mobile optimisation friendly.