

Initials and surname: P.T Nhlapo

Email: maphoskho@gmail.com

---

### Questions:

#### 1. What is the `<span/>` tag in HTML, what is so special about it?

- ✓ Span tag is an inline container usually used to mark part of a text it is special because it's not a block element like the Div tag plus it supports global and event attributes in HTML.

#### 2. `<input type="text" name="email" id="email" placeholder="your email">`

In the code above, what is the job of “placeholder” and “type”

- ✓ The job of a placeholder is to specify a hint for the expected value of an input field. the hint/placeholder is displayed in the input field before the user enters a value.

#### 3. In the video, scss is used. Compare SCSS and CSS.

- ✓ CSS is a styling language that browsers understand, it is less advanced than SCSS and SCSS has better and advanced formatting but needs to be processed by server running the webapp to output a CSS that your browser can understand.

#### 4. What is the difference between px, em, rem and vh in css ?

- ✓ px = this refers to the pixel sizes
- ✓ em = this is unit used relative to the font size of the element
- ✓ vh = this is for the view height of the view port
- ✓ rem = this is relative to the font side of the current root element

#### 5. Explain the code snippet given below. It is part of the css in the video. Make sure you describe every css property in detail. E.g (what margin-top does, what width does etc)

- ✓ width: 100% - attention div width will be 100% of its containing block plus any horizontal margin, padding and border.
- ✓ margin: .5em auto 0 - The element will have a margin/space of 5em on the top, on the right the browser will calculate and select a perfect margin and, on the left, the space/margin will be 0.
- ✓ .me - Avatar will have a space of 2em on top, a width of 3em and border radius if. 50% that will make the avatar shape to be circle.
- ✓ .arrow - The arrow picture with have a width of 15em

#### 6. Explain the code Snippet given below. It is part of the css in the video. Make sure you describe every css property in detail. E.g (what margin-top does, what width does etc)

- ✓ width: calc(100% - 2em); = To line up the width of the button with the input.
- ✓ margin: 0; = Setting the margin of the button to 0.
- ✓ background: #8800ff; = Setting the background color of the button.
- ✓ color: white; = Setting the color of the text in the button to be white.
- ✓ border: none; = To remove the border of the button.
- ✓ cursor: pointer; = to change the cursor to point when you hover over the button

## 7. What is a Media Query in CSS ?

- ✓ rules that enable us as programmers to use different styles settings and rules for different media types depending on capabilities of those devices usually by checking width, height of the viewports and devices orientation and resolution

## 8. Explain in full detail what's happening in the code below. It uses a Media Query.

- ✓ Set document font size to 20px.
- ✓ button width must be 60% then override all previous styling rules for that specific property on that element.
- ✓ Calculate all input element's width and override all previous styling rules for that specific property on that element.

## 9. How does z-index work in css ?

- ✓ The z-index controls the vertical stacking order of elements that overlap. basically, as in which element appears closer to you, but in CSS it only affects elements that have position value other than static. If it weren't for the z-index elements would stack in order which they appear

## 10. Check out Bootstrap and how it will be used to make mobile optimized pages.

- ✓ Extra small devices: This covers portable devices like smartphones with screen resolutions less than 768px
- ✓ Small devices: This covers larger devices like tablets with screen resolutions greater than or equal to 768px.
- ✓ Medium devices: This accounts for desktop computers or laptops with screen resolutions greater than or equal to 992px
- ✓ Large devices: For larger devices like desktops with screen resolutions greater than or equal to 1200px