1. **What is the box-sizing property in CSS, what are its values, how do they work with examples, which one is preferred, and why is it important in modern layout design?**



The box-sizing property in CSS controls how the total width and height of an element are calculated — specifically whether padding and borders are included within the element's declared width and height.

There are two main values:

**1. content-box** (Default)

* Only the content size is considered for width and height.
* Padding and borders are **added outside**, increasing the total element size.

**Example:**

css

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div {

width: 200px;

padding: 20px;

border: 5px solid;

box-sizing: content-box;

}

**Result:** Total rendered width = 200 + 20×2 + 5×2 = 250px

**2. border-box**

* The width and height **include** the content, padding, and border.
* The content area shrinks to accommodate padding and borders within the set size.

**Example:**

div {

width: 200px;

padding: 20px;

border: 5px solid;

box-sizing: border-box;

}

**Result:** Total rendered width = exactly 200px

1. **What is the difference between justify-content and justify-items in Flexbox?**



**justify-content**: Aligns **all flex items as a group** along the main axis (horizontal by default).

**Justify-items**: Used in CSS Grid not in flexbox

1. **What is the difference between align-items and align-content in Flexbox?**



Align-items : Aligns **each individual item** on the cross axis (vertical by default).

Align-content: Aligns **all rows/columns of items as a group** when wrapping.

* Working of the || operator
* Closures
* Lexical scoping
* Differences between call, apply, and bind
* Event loop,This in js,arrow and normal function,object creation,
* Dattypes, == ,=== ,string compariosn,array comparison
* Array methods,string methods-slice.splice,split  please prepare these topics
* Promise,callback async await