1. **What is difference between margin and padding?**

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| **Feature** | **Margin** | **Padding** |
| Definition | Space outside the element | Space inside the element, between content and border |
| Purpose | Creates space between elements | Creates space inside the element, around its content |
| Visual Effect | Pushes the element away from other elements | Makes the element look bigger by pushing content away from the border |
| Affects Background Color? | ❌ No (transparent) | ✅ Yes (shows background color) |

**Example:**

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| <div style="margin: 20px; padding: 10px; background: lightblue;">  Hello World  </div> |

* **margin: 20px; -** pushes the box away from neighboring elements.
* **padding: 10px;** - pushes the text inward, away from the box's border

1. **How box-sizing Affects Layout: -**The box-sizing property controls how the total width and height of an element are calculated.

**Default Behavior: box-sizing: content-box;**

* Width and height apply only to the content.
* Padding and border are added on top of width/height.

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| .box1 {  width: 200px;  padding: 20px;  border: 5px solid black;  box-sizing: content-box;  } |

**Recommended: box-sizing: border-box;**

* Width and height **include content + padding + border**.
* Makes layout more predictable.

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| .box2 {  width: 200px;  padding: 20px;  border: 5px solid black;  box-sizing: border-box;  } |