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{ Class will start }  
at 9:05PM

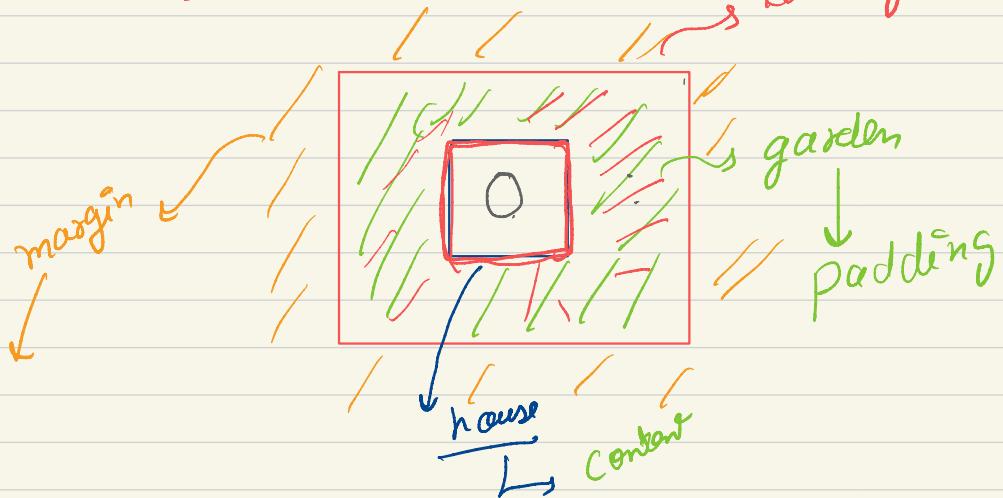
# Agenda

- \* Box Model → Analogies
  - ↳ dev-tools
- \* Overflow and height/ width
- \* Display → inline  
block  
inline-block
- \* margin collapse                            \* Units and Inheritance

Project → Header section  
↳ Pseudoclasses / Pseudoelement

# Box Model

→ Represent every element using a box → box Model



Land → border + house + Garden

Element in CSS → border + content + padding

height of elem → border bottom + border top + padding top + padding bottom + height of content

width of elem → horizontal border + horizontal padding + width of the content

① element and content

element → content + padding + border

→ Box Model →

↳ 2 ways calculate → height / width elem

↳ **Content box** → elem height = content height  
+  
+ border +  
+ padding

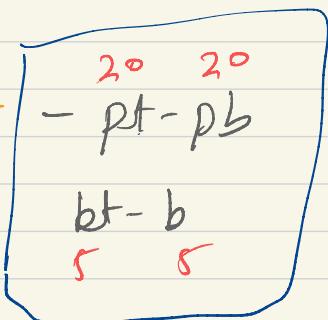
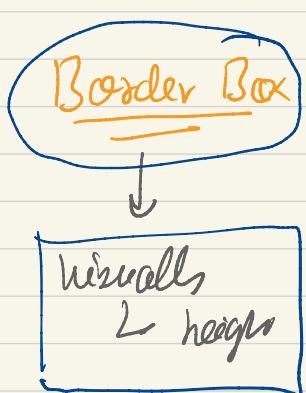
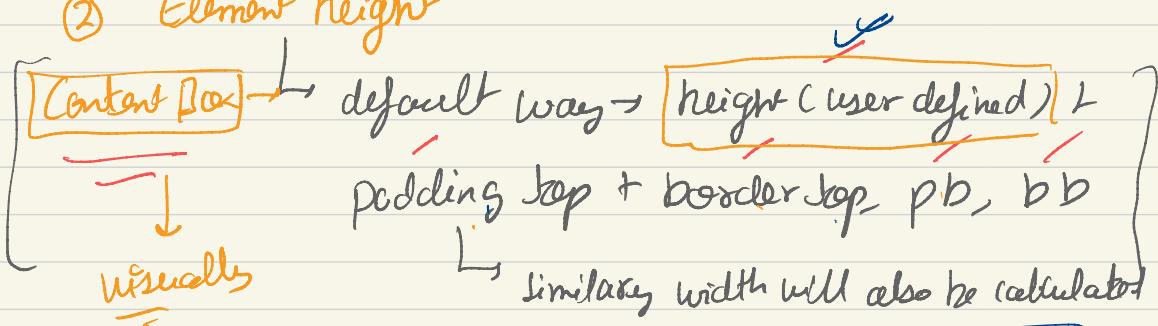
↳ **border box** → elem height = content height

- vertical border

- vertical padding

① Element → Content + padding + border

② Element height



height of the content

# Css overflow

height → default

↳ height → content inside that element

↳ height → content → ↳  
0px

↳ user defined → height

↳ accommodate to content  
if it is less than the height of  
the container

↳ if content height  $\geq$  element height

(Overflow)

visible

↳ content

will overflow

↳ default

hidden

scroll auto

# display

- ↳ block level
- ↳ inline
- ↳ inline block

## → block level →

width → it takes all the available width

→ is to own a section or a whole line

## → Inline element

↳ width → only the width of these content

→ generally used to give styling to a part of sentence

## → Inline block

↳ on outer level → it act as inline element but every property of a block level element applies

semantic tags,  
heading  
paragraph

span  
anchor

input

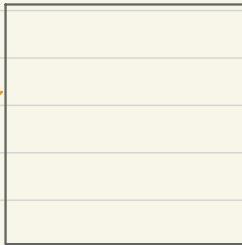


Property	Block	Inline	Inline block
Height → user	✓	✗	✓
width → user	✓	✗	✓
Vertical margin	✓	✗	✓
Horizontal margin	✓	✓	✓
Vertical border	✓	✓	✓
Horizontal border	✓	✓	✓
Padding	✓	✓	✓

→ inline → don't bother about margin of  
block level

# Margin collapse

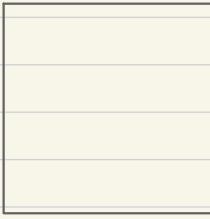
→ box-1 [block level]



margin  
bottom  
20px

margin  
top - 30px

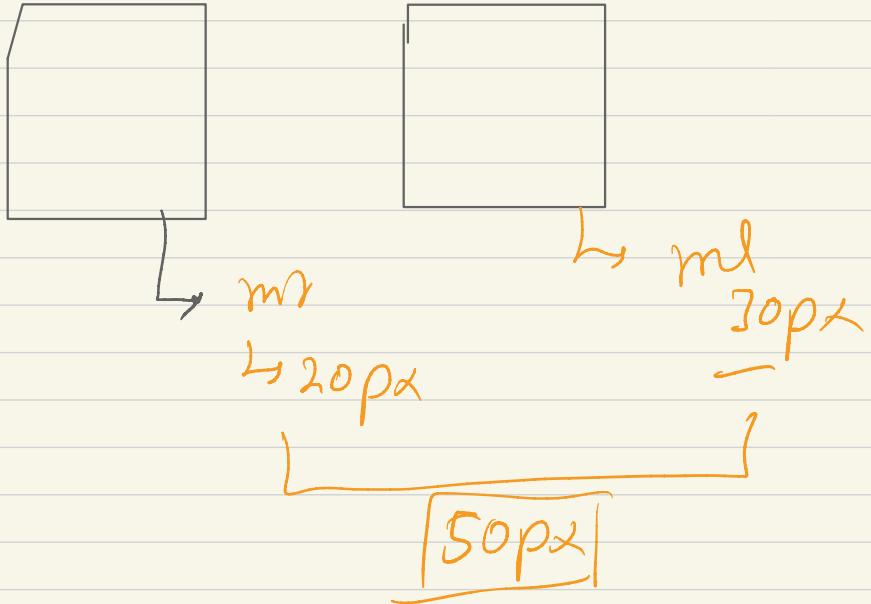
↓ → margin b/w



↓, box-2

↓ [30px]

Margin collapse → if two elements have certain margin b/w them the total margin will greater of these respective margin



Margins collapse → it only work vertically

# Inheritance & Units

## ① Inheritance

class body

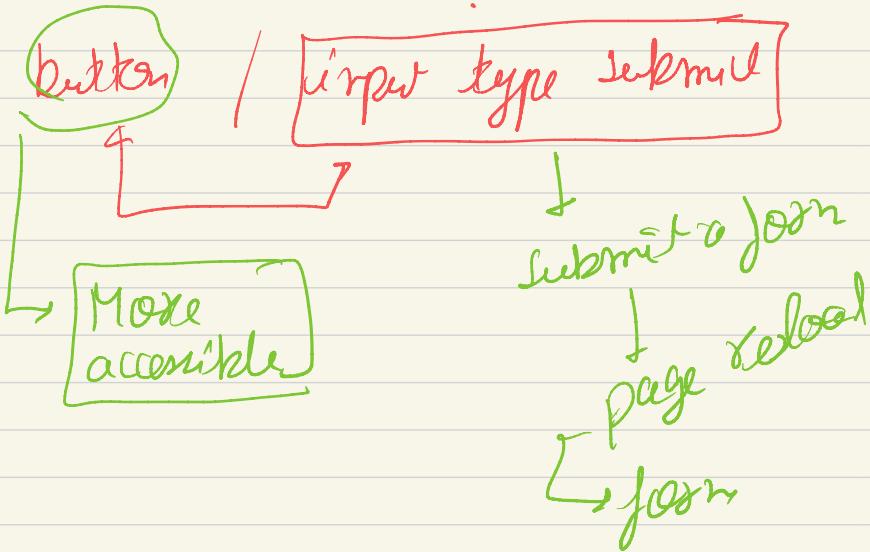
prop  
↳ color: red

class div extends body

prop  
↳ font-family: lato

class span extends div

prop  
↳ padding: 10px  
↳ color: green



specificity

# pseudo classes and elements