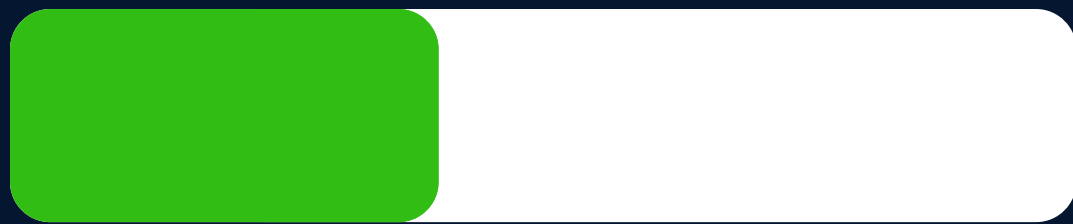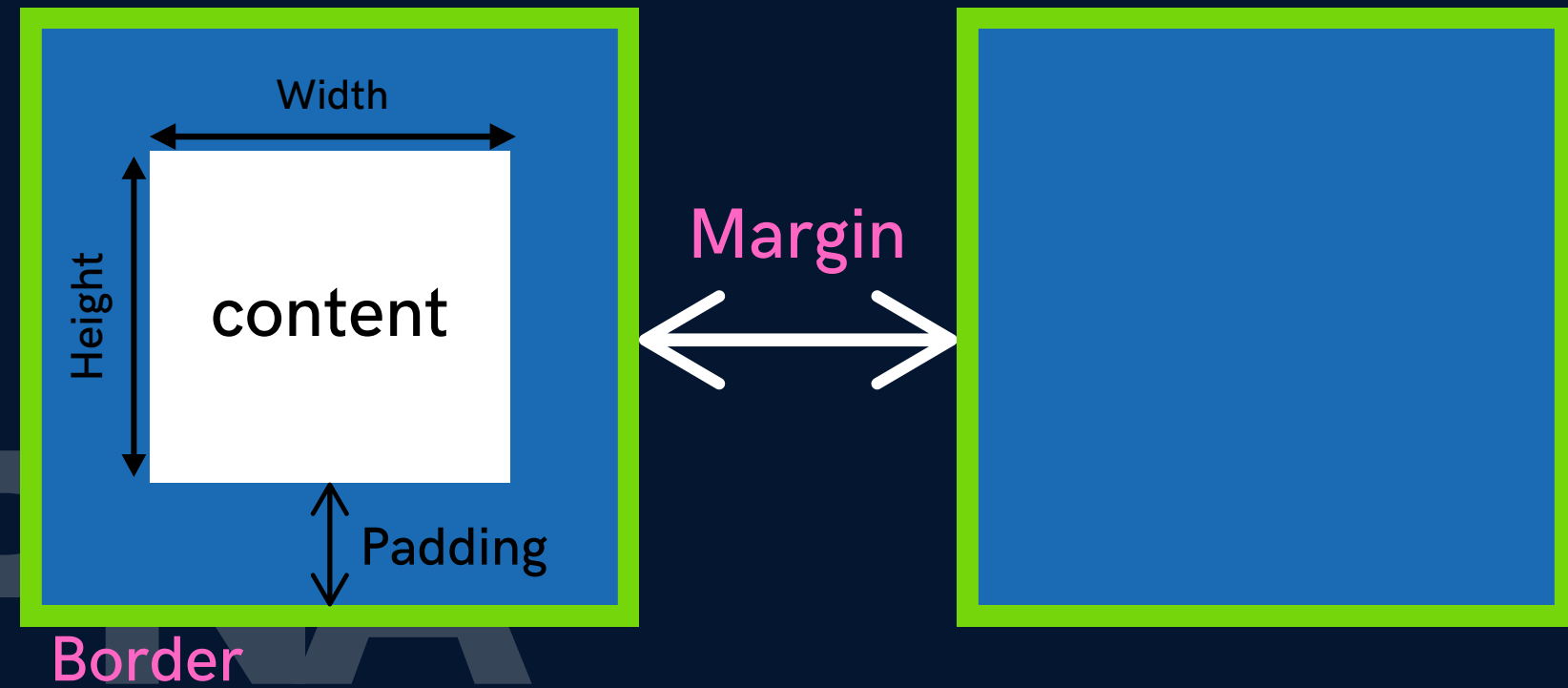# Level 2

APNA
COLLEGE

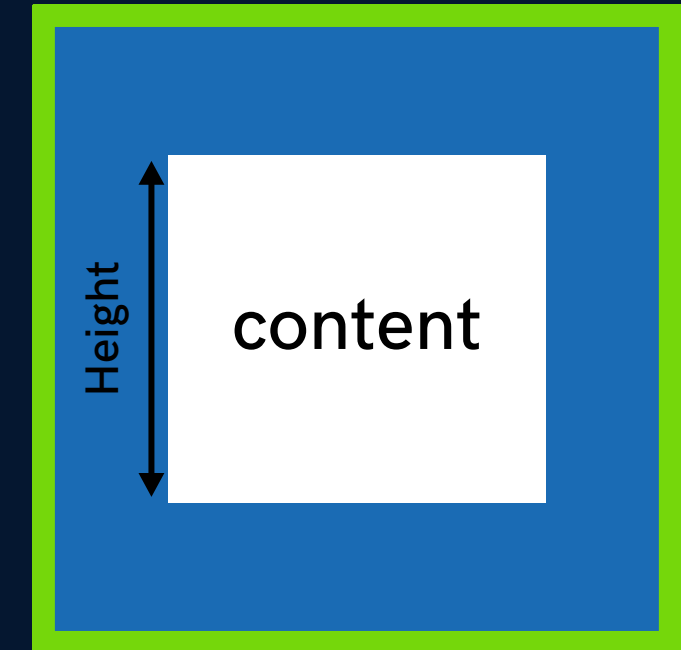# Box Model in CSS

- Height

- Width

- Border

- Padding

- Margin

# Height

By default, it sets the content area height of the element

```
div {

    height:  50px;

}
```
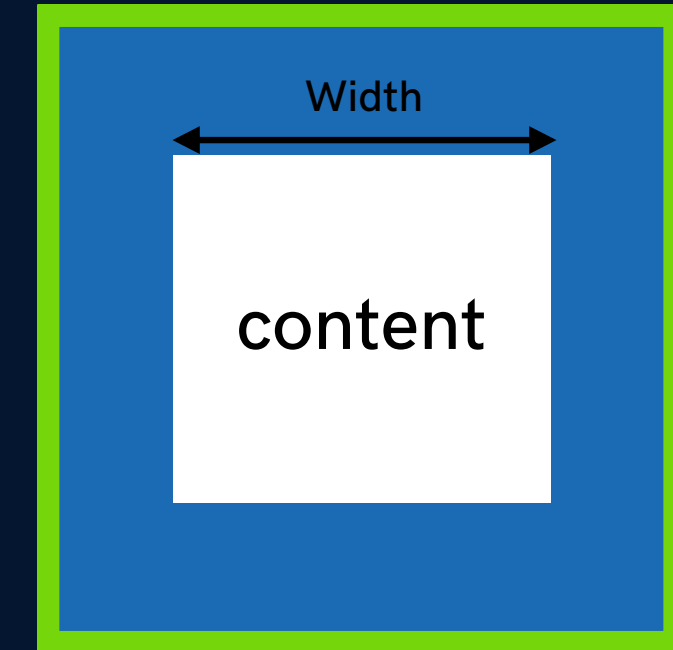

Height
content

# Width

By default, it sets the content area width of the element
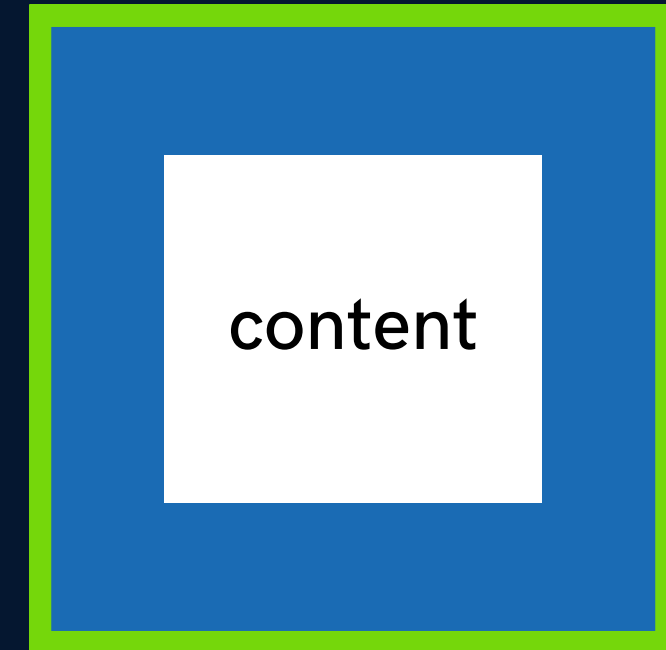
```
div {
    width: 50px;
}
```

Width

content

# Border

Used to set an element's border

border-width : 2px;

border-style : solid / dotted / dashed

border-color : black;

content

Border

# Border

Shorthand
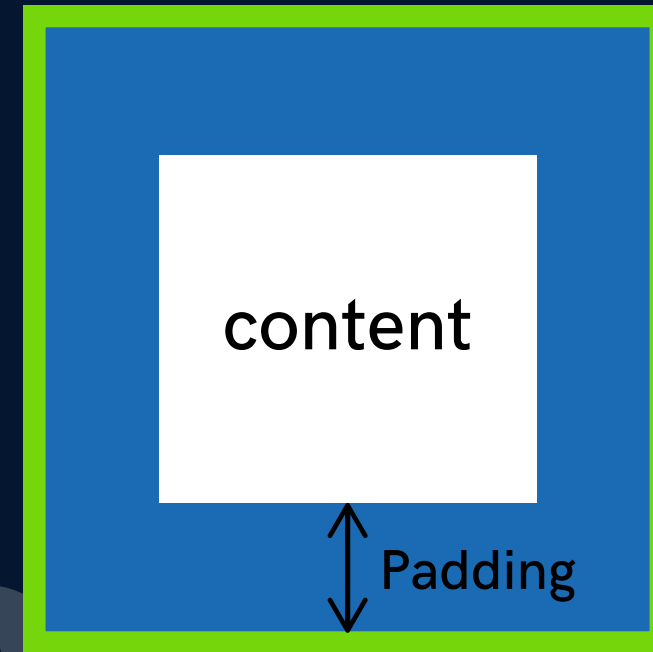
*border : 2px solid black;*

# Border

Used to round the corners of an element's outer border edge

*border-radius : 10px;*

*border-radius : 50%;*

# Padding

- padding-left

- padding-right

- padding-top
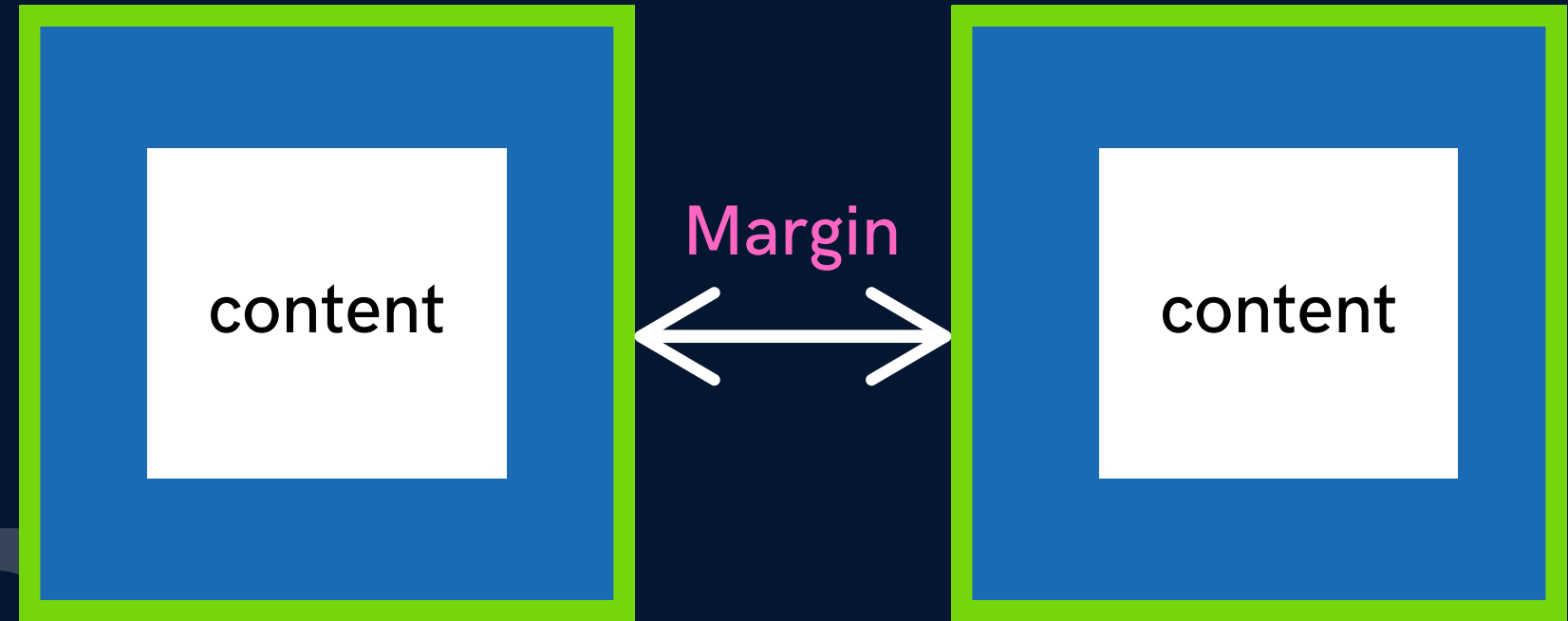
- padding-bottom

# Padding

Shorthand

*padding: 50px;*

*padding: 1px 2px 3px 4px;*

top | right | bottom | left -> clockwise

# Margin

- margin-right

- margin-left

- margin-top

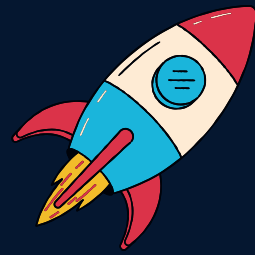- margin-bottom

content

Margin

content

# Margin

Shorthand

*margin: 50px;*

*margin: 1px 2px 3px 4px;*

top | right | bottom | left -> clockwise
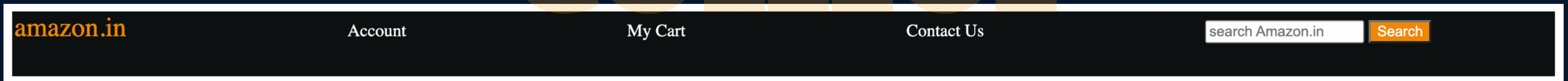
# Practice Set 3 🚀

Q1: Create a div with height & width of 100px.
Set its background color to green & the border radius to 50%.

Q2: Create the following navbar.

| amazon.in | Account | My Cart | Contact Us | search Amazon.in | Search |
|-----------|---------|---------|------------|------------------|--------|

amazon.in     Account     My Cart     Contact Us     search Amazon.in   Search

25px
(text)

#0f1111
(black)

anchor tags
(links)

200px
(gap)

60px
(height)

#f08804
(yellow)

# Display Property

*display: inline / block / inline-block / none*

- inline - Takes only the space required by the element. (no margin/ padding)

- block - Takes full space available in width.

- inline-block - Similar to inline but we can set margin & padding.

- none - To remove element from document flow.

# Visibility

*visibility: hidden;*

Note : When visibility is set to none, space for the element is reserved.

But for display set to none, no space is reserved or blocked for the element.
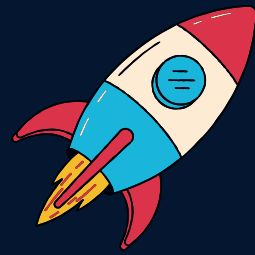
# Alpha Channel

opacity (0 to 1)

- **RGBA**

  color:  rgba(255, 0, 0, 0.5);

  color:  rgba(255, 0, 0, 1);

# Practice Set 4 🚀

Q1: Create a webpage layout with a header, a footer & a content area containing 3 divs.
Set the height & width of divs to 100px.
(add the previous navbar in the header)

Q2: Add borders to all the divs.

Q3: Add a different background color to each div with an opacity of 0.5

Q4: Give the content area an appropriate height.