Level 4

APNA COLLEGE
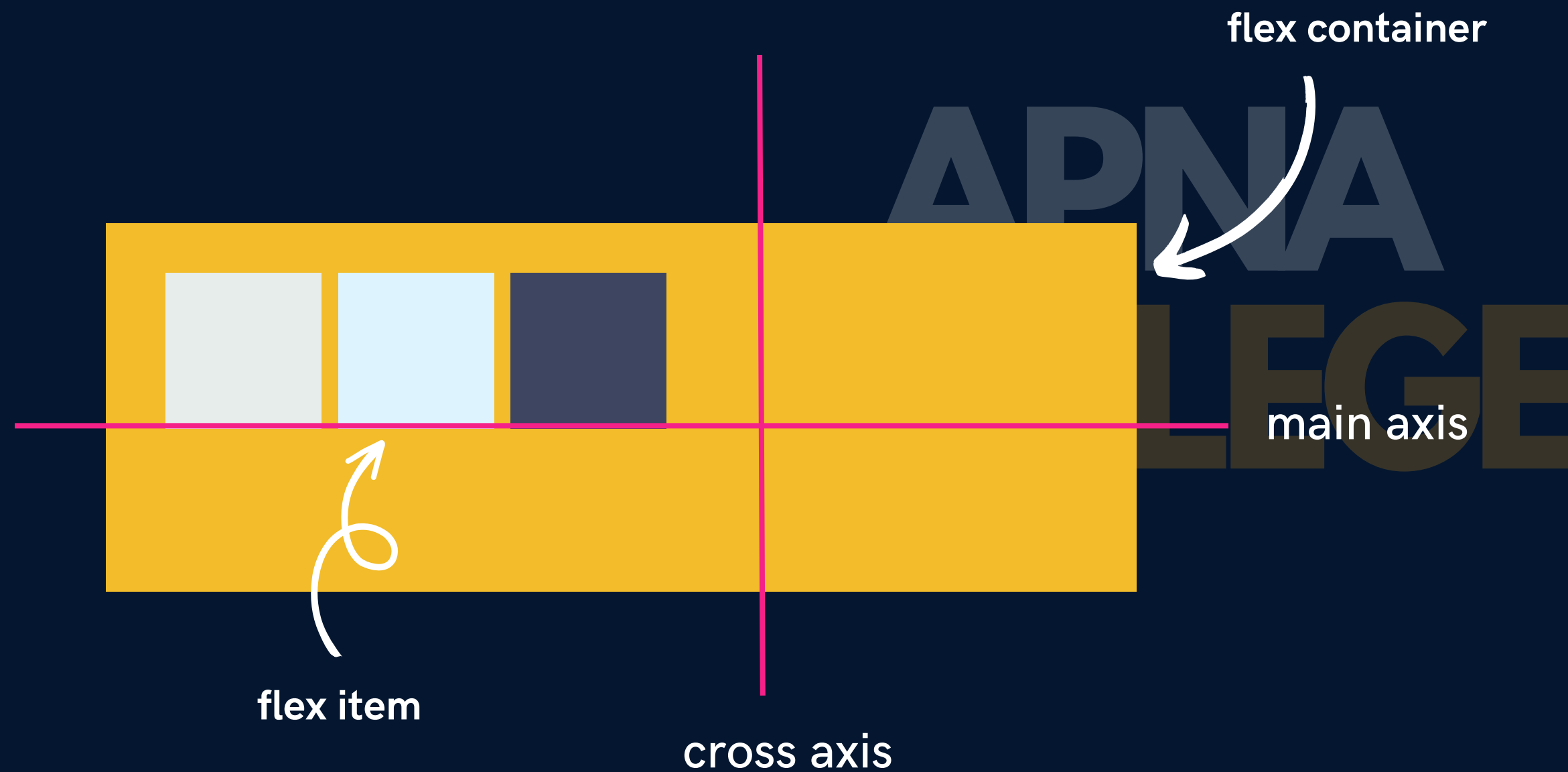
Flexbox

Flexible Box Layout

It is a one-dimensional layout method for arranging items in rows or columns.

The Flex Model

flex container

main axis

flex item

cross axis

Flexbox Direction

It sets how flex items are placed in the flex container, along which axis and direction.

- flex-direction : row; (default)

- flex-direction : row-reverse;

- flex-direction : column;

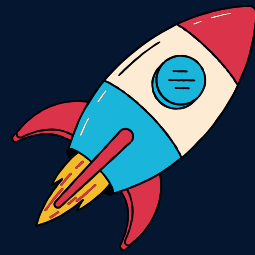- flex-direction : column-reverse;

Flex Properties

for Flex Container

- justify-content : alignment along the main axis.

    flex-start / flex-end / centre / space-evenly /

- flex-wrap : nowrap / wrap / wrap-reverse

- align-items : alignment along the cross axis.

- align-content : alignment of space between & around the content along cross-axis

Flex Properties

for Flex Item

- align-self : alignment of individual along the cross axis.

- flex-grow : how much a flex item will grow relative to the rest of the flex items if space is available

- flex-shrink : how much a flex item will shrink relative to the rest of the flex items if space is available

Practice Set 6 🚀

Qs: Create a navbar with 4 options in the form of anchor tags inside list items. Now, use flexbox to place them all spaced equally in a single line.

Qs: Use flexbox to center one div inside another div.

Qs: Which has higher priority - align-items or align-self?

Media Queries

Help create a responsive website

```css
@media (width : 600px) {
    div {
        background-color : red;
    }
}
```

```css
@media (min-width : 600px) {
    div {
        background-color : red;
    }
}
```

Media Queries

```css
@media (min-width : 200px) and (min-width : 300px) {
    div {
        background-color : red;
    }
}
```

Practice Set 7 🚀

Qs: Add a media query to implement the following:

- the color of a div changes to green for viewport width less than 300px

- the color of a div changes to pink for width between 300px & 400px

- the color of a div changes to red for width between 400px & 600px

- the color of a div changes to blue for width above 600px