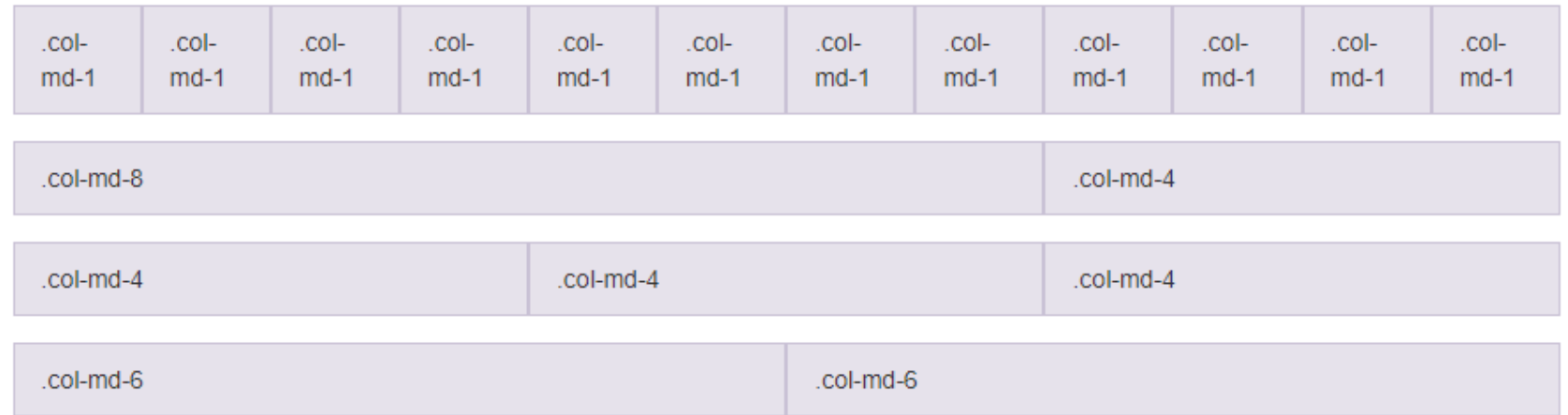
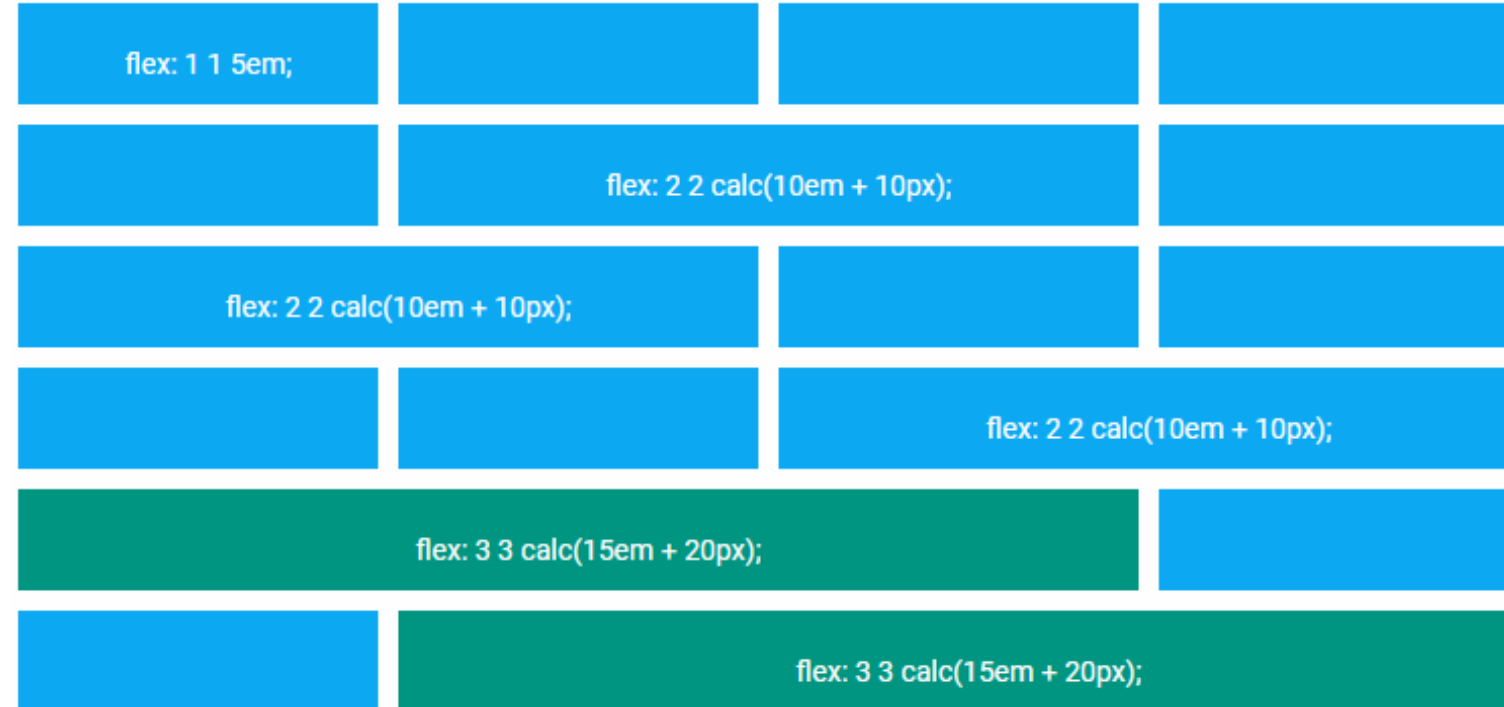


Angular Flex Layout

- CSS Box



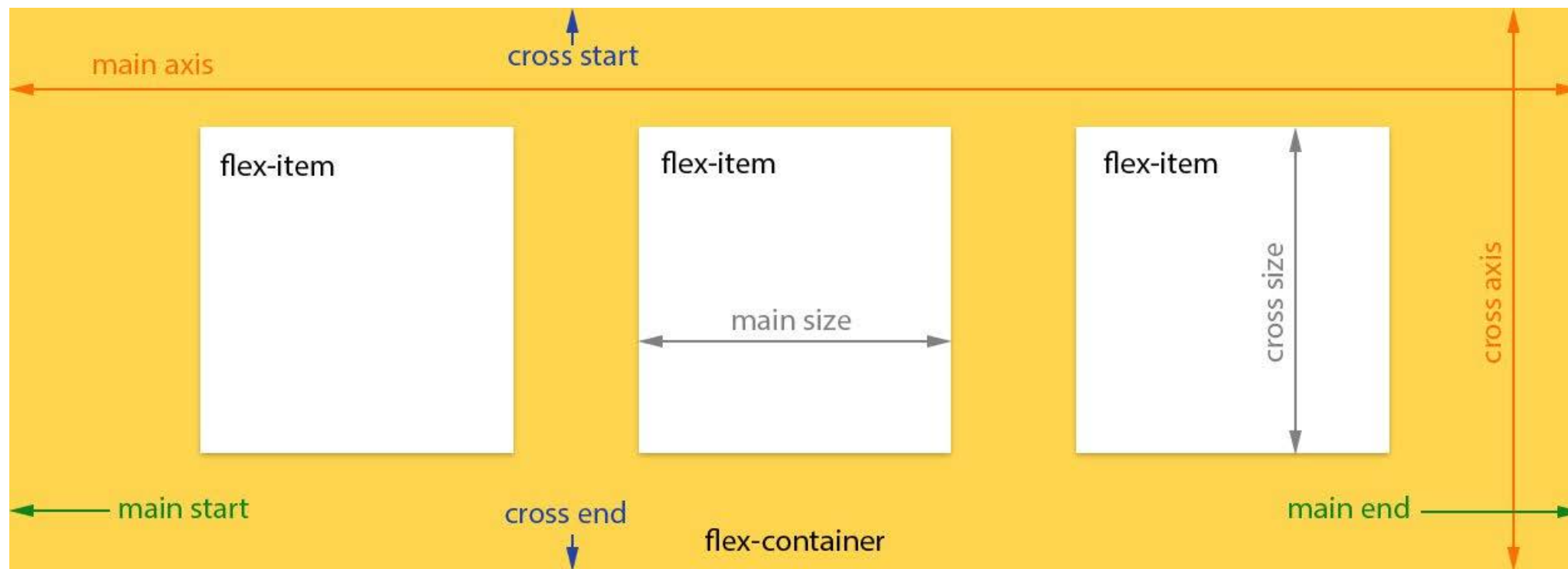
- CSS Flexbox





Angular flex

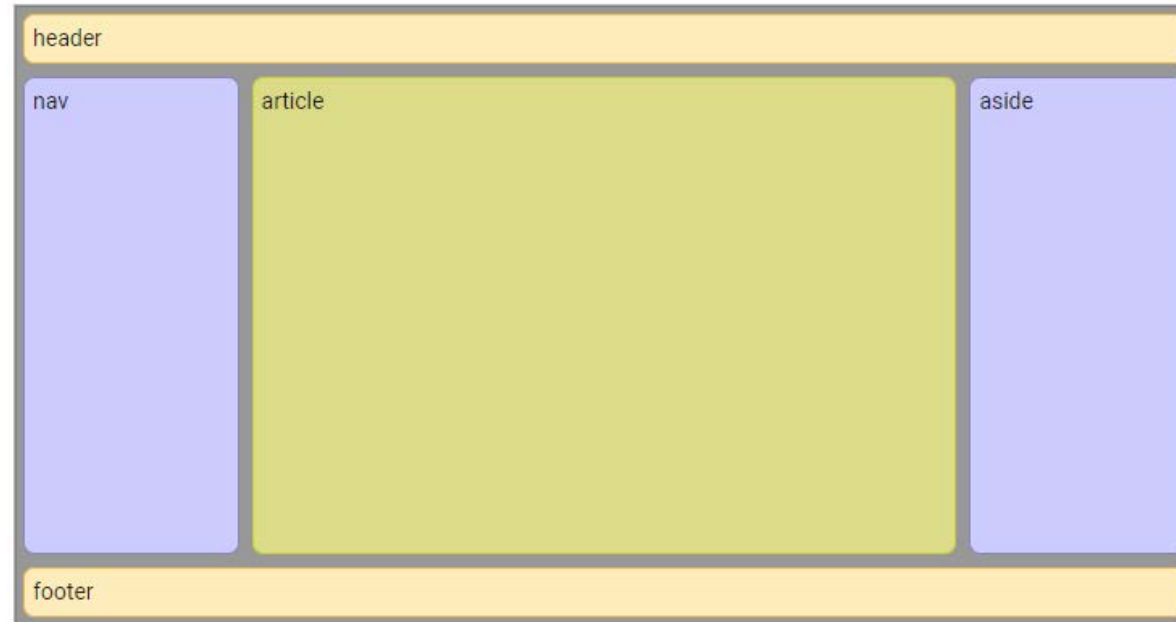
- Flex layout





Responsive layouts

- Large screen



- Small Screen





Installing Angular Flex Layout

1. In the terminal, execute `npm i @angular/flex-layout@next`
2. Update `app.module.ts`, as shown:

src/app.module.ts

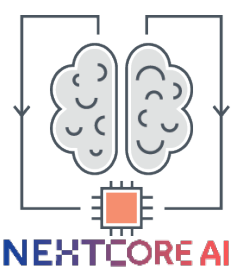
```
import { FlexLayoutModule } from '@angular/flex-layout'
```

```
imports: [
```

```
...
```

```
  FlexLayoutModule,
```

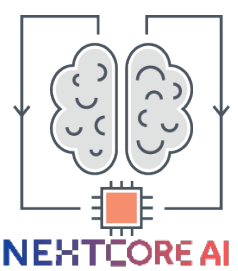
```
],
```



Flex Layout APIs for DOM containers

These directives can be used on DOM containers such as `<div>` or ``, like `<div fxLayout="row" fxLayoutAlign="start center" fxLayoutGap="15px">...</div>`:

HTML API	Allowed values
<code>fxLayout</code>	<code><direction> <direction> <wrap></code> Use: row column row-reverse column-reverse
<code>fxLayoutAlign</code>	<code><main-axis> <cross-axis></code> main-axis: start center end space-around space-between cross-axis: start center end stretch
<code>fxLayoutGap</code>	% px vw vh



Flex Layout APIs for DOM elements

- These directives influence how DOM elements acts within their container, like `<div fxLayout="column"><input fxFlex /></div>`

HTML API	Allowed values
<code>fxFlex</code>	<code>"" px % vw vh <grow> <shrink> <basis></code>
<code>fxFlexOrder</code>	<code>int</code>
<code>fxFlexOffset</code>	<code>% px vw vh</code>
<code>fxFlexAlign</code>	<code>start baseline center end</code>
<code>fxFlexFill</code>	<code>none</code>



Flex Layout APIs for any element

- The following directives can be applied to any HTML element to show, hide, or change the look and feel of the said elements, such as `<div fxShow fxHide.lt-sm></div>`, which will show an element unless the screen size is less than small:

HTML API	Allowed values
<code>fxHide</code>	TRUE FALSE 0 ""
<code>fxShow</code>	TRUE FALSE 0 ""
<code>ngClass</code>	@extends ngClass core
<code>ngStyle</code>	@extends ngStyle core