

WEB CELL TRAINING

S4 : STATIC FRONTEND DEVELOPMENT PART2 - CSS

INPT

CIT

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PLAN

OVERVIEW, WEB ROADMAP



WEB DESIGN PROTOTYPING



>>> STATIC FRONTEND DEVELOPMENT



DYNAMIC FRONTEND DEVELOPMENT



JAVASCRIPT BACKEND DEVELOPMENT





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<div>
...
</div>



HTML : DIV TAG



<**div**>
...
<**/div**>



Div: - Defines a division or a section in an HTML document.
- Used as a container for HTML elements



div tag

```
<div class="container">  
  <h1>This is a good picture tho</h1>  
    
</div>
```





Now, let's style this `div` with the CSS



```
... div style

.container{
    margin: 0 auto;
    width: 300px;
}
.container h1{
    color: cadetblue;
    margin-bottom: 20px;
}
.container img{
    border-radius: 20px;
    width: 300px;
}
```

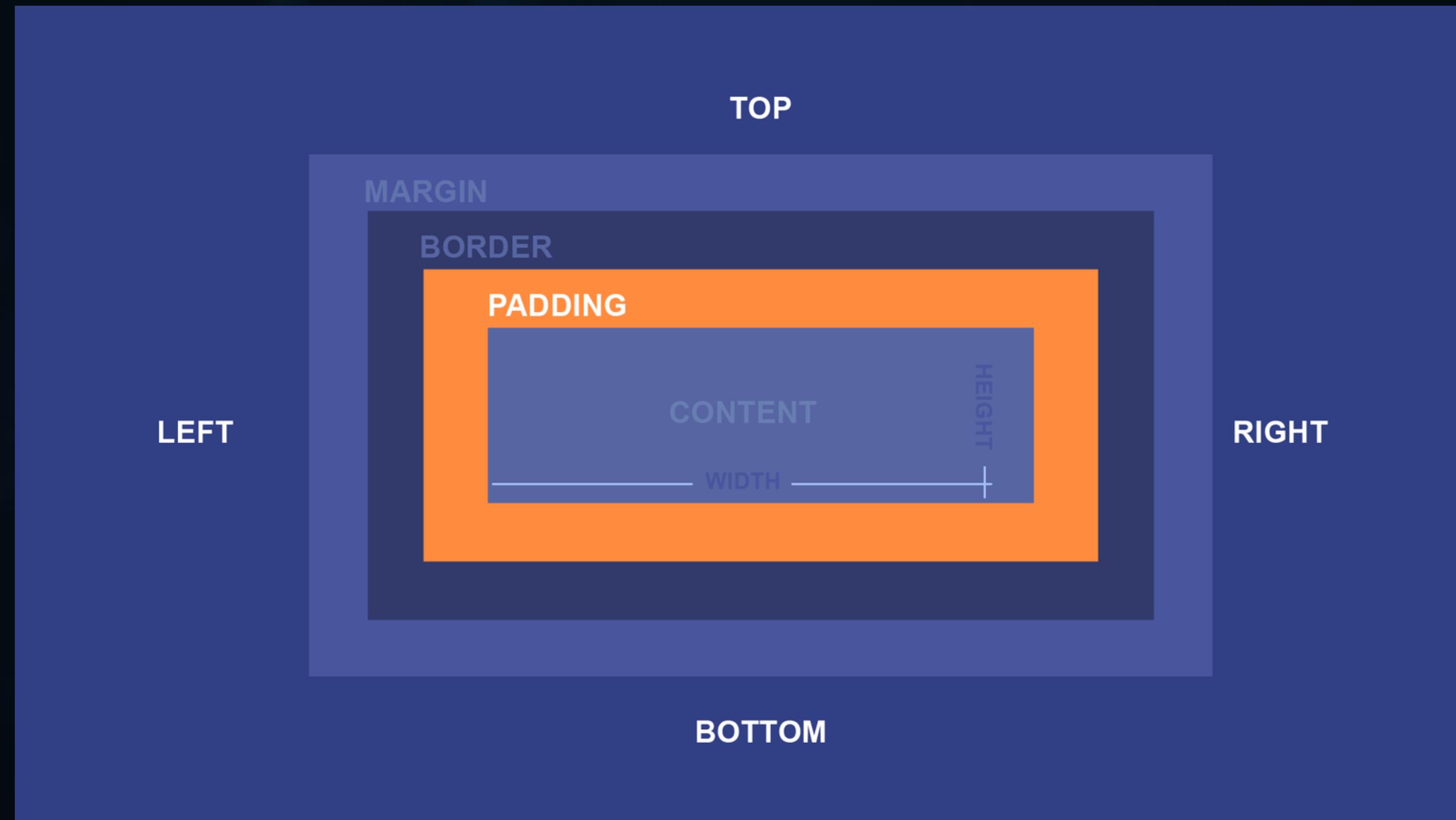
RESULTS

This is a good picture





CSS MARGIN - PADDING - BORDER

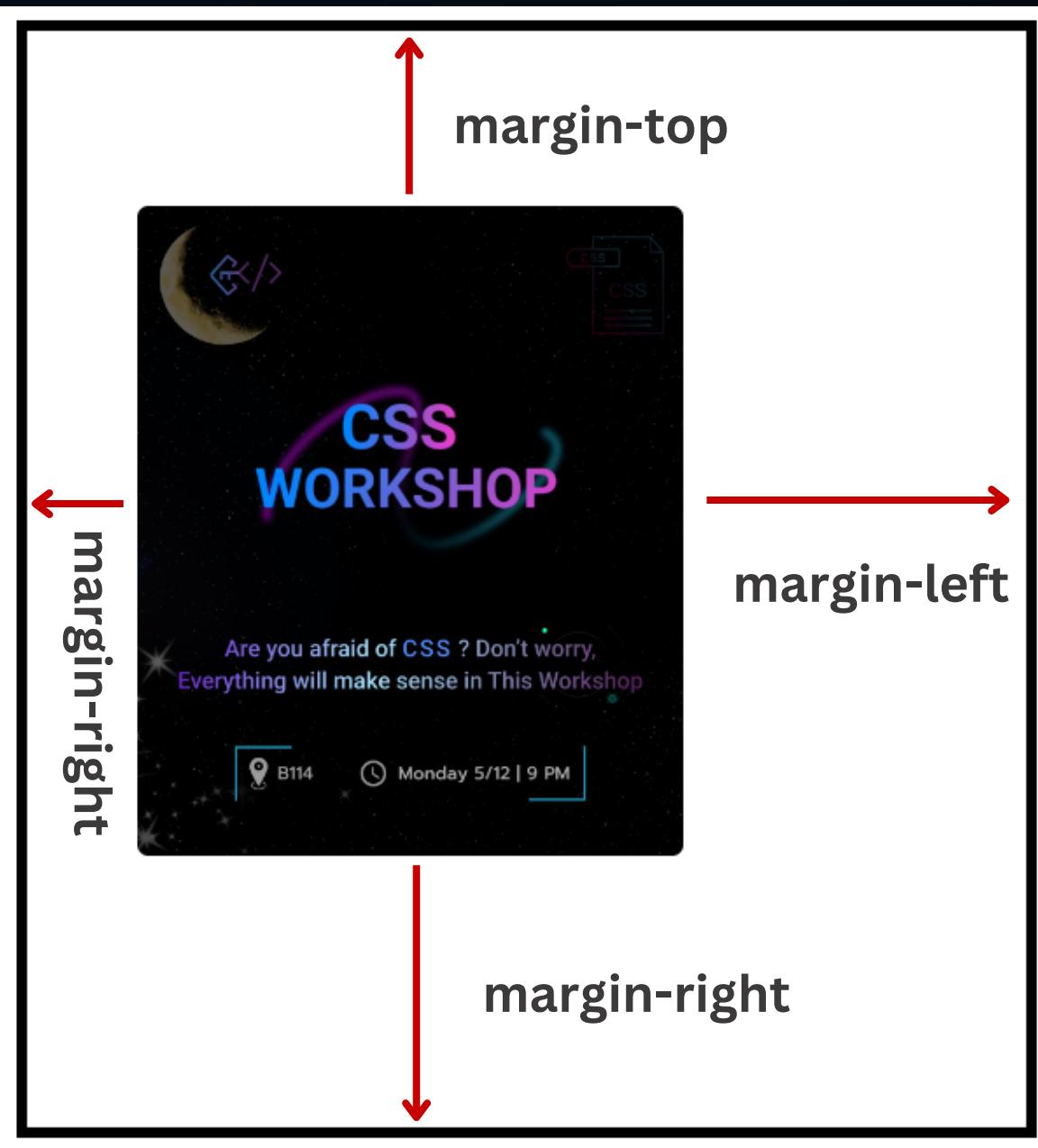


MARGIN



margin

```
img{  
  width:300px;  
  margin-top: 80px;  
  margin-right: 120px;  
  margin-left: 50px;  
  margin-bottom: 100px;  
}
```



BORDER



```
border
```

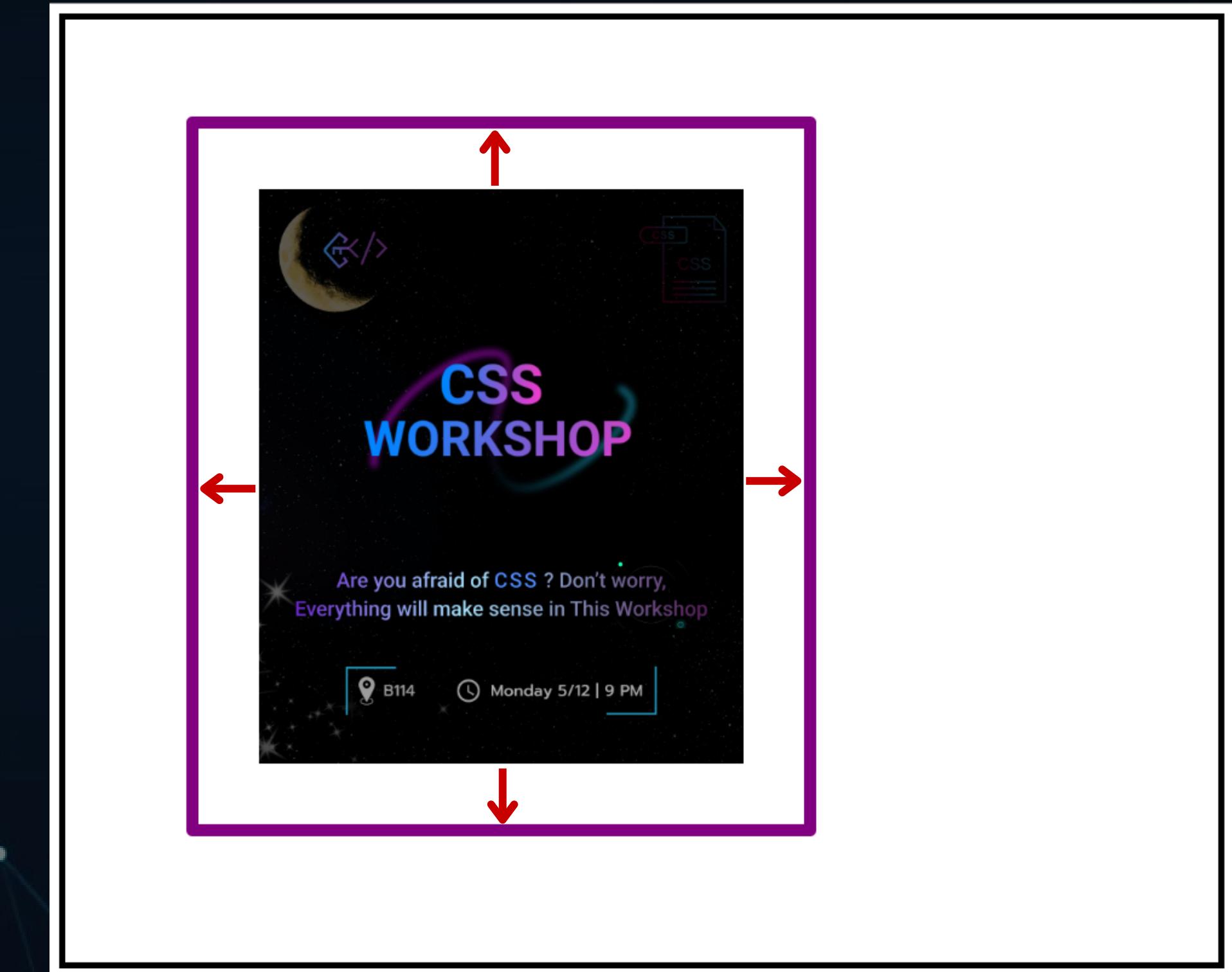
```
img{  
  .  
  .  
  .  
  border: 10px solid purple;  
}
```



PADDING



```
padding  
.  
.  
. .  
  
img{  
    .  
    .  
    .  
    .  
    padding-top: 50px;  
    padding-right: 50px;  
    padding-bottom: 50px;  
    padding-left: 50px;  
}
```





FLEXBOX

`justify-content:`

`}`

FLEXBOX IS A LAYOUT MECHANISM DESIGNED FOR LAYING OUT GROUPS OF ITEMS IN **ONE DIMENSION**.

Flex Properties:

- justify-content
- align-items
- flex-direction
- flex-wrap

CREATING A FLEX CONTAINER



```
<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div>3</div>
  <div>4</div>
  <div>5</div>
</div>
```

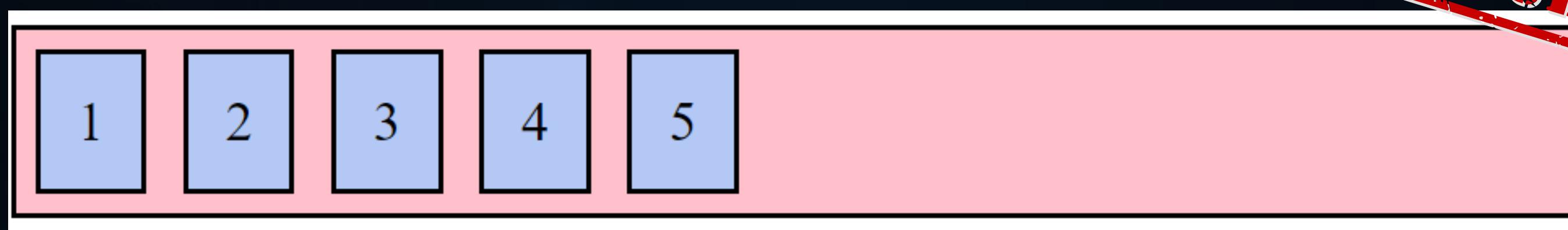
```
.flex-container{
  display: flex;
  background-color: pink;
  border: 3px solid #000;
}

.flex-container > div {
  background-color: #b3c8f4;
  border: 3px solid #000;
  margin: 10px;
  padding: 20px;
  font-size: 30px;
  width: 40%;
  text-align: center;
}
```

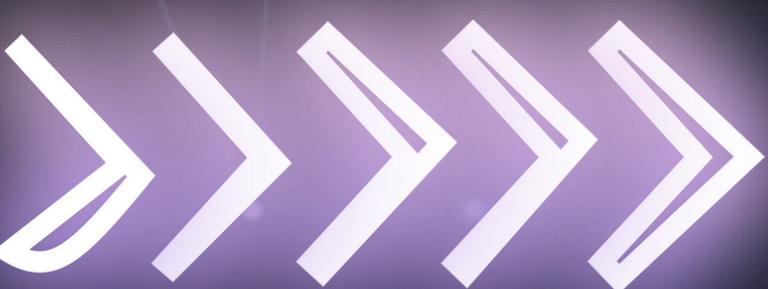




CREATING A FLEX CONTAINER



RESULTS



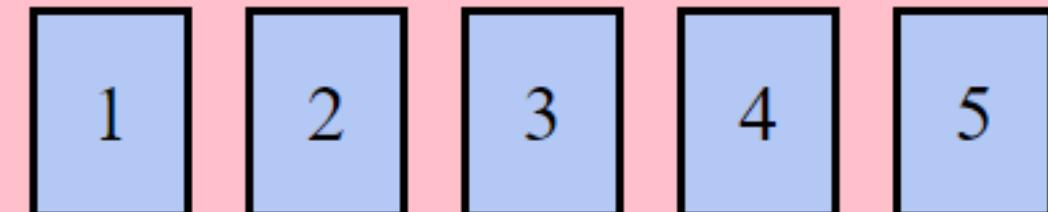
JUSTIFY-CONTENT PROPERTY



CENTER

centering

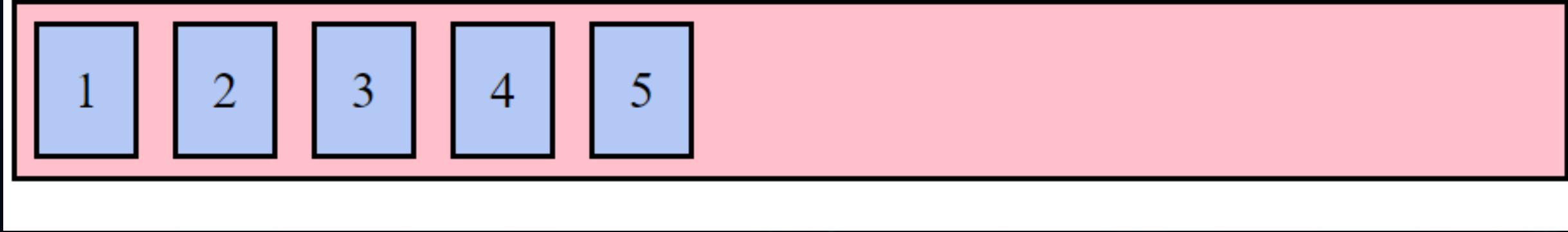
```
.flex-container{  
  display: flex;  
  justify-content: center;  
  background-color: pink;  
  border: 3px solid #000;  
}
```



FLEX-START

flex-start

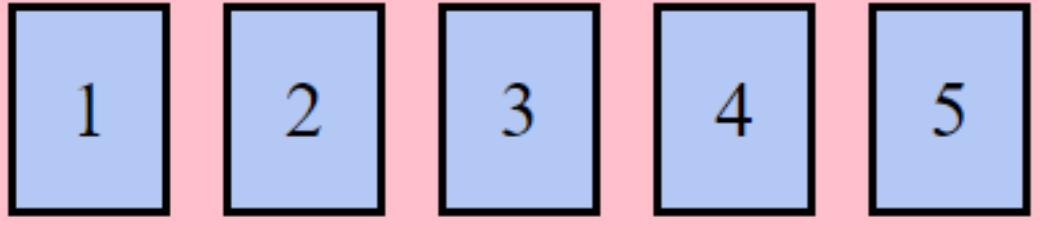
```
.flex-container{  
    display: flex;  
    justify-content: flex-start;  
    background-color: pink;  
    border: 3px solid #000;  
}
```



FLEX-END

flex-end

```
.flex-container{  
  display: flex;  
  justify-content: flex-end;  
  background-color: pink;  
  border: 3px solid #000;  
}
```

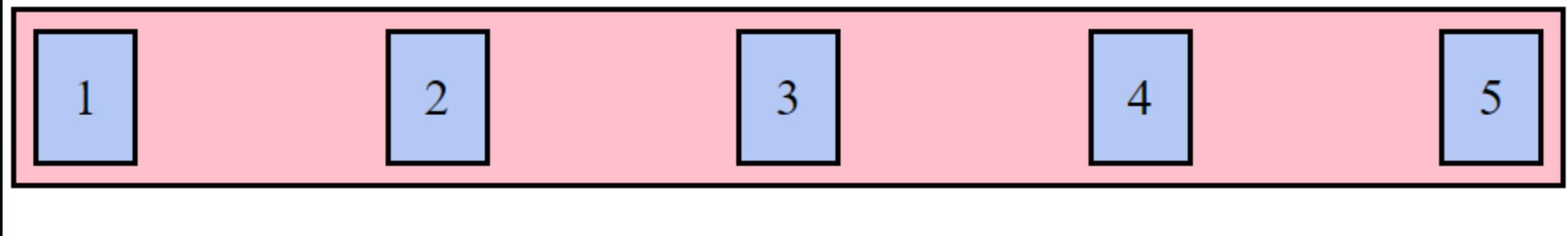


SPACE-BETWEEN

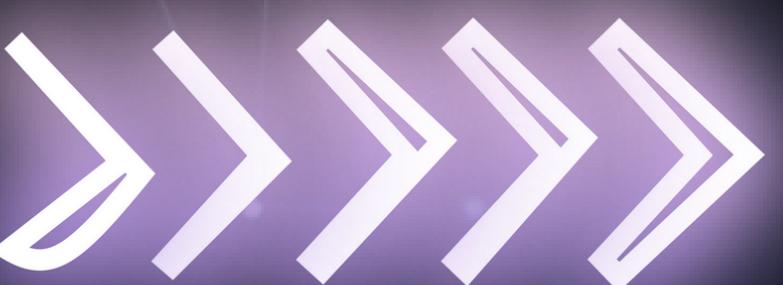


...

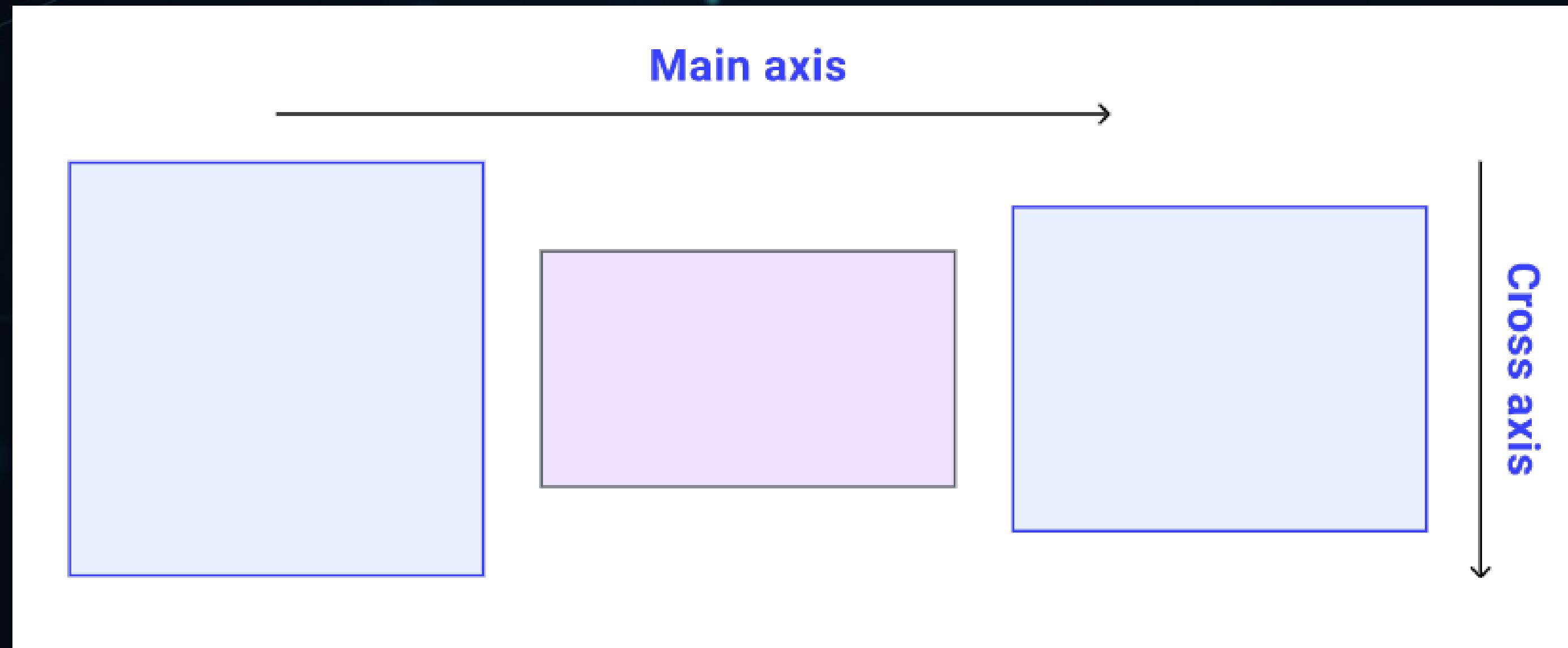
```
.flex-container{  
  display:flex;  
  justify-content:space-between;  
}
```



ALIGN-ITEMS PROPERTY



THE MAIN AXIS AND THE CROSS AXIS



ALIGN-ITEMS: THE JUSTIFY-CONTENT VERSION FOR THE CROSS-AXIS

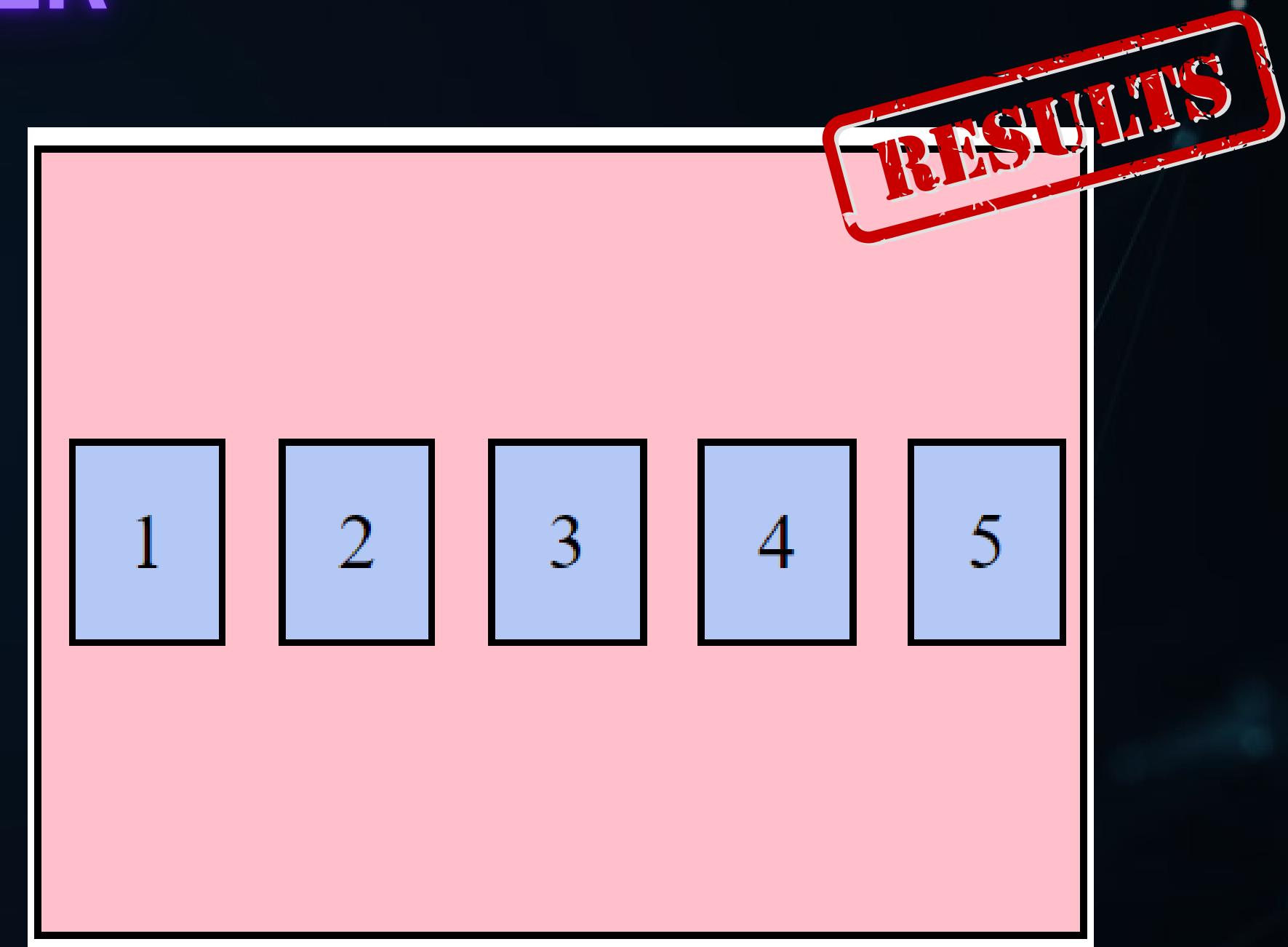
ALIGNING ITEMS ON THE CROSS-AXIS



CENTER



```
css  
3  
...  
.flex-container{  
  display: flex;  
  align-items: center;  
  height: 300px;  
}
```



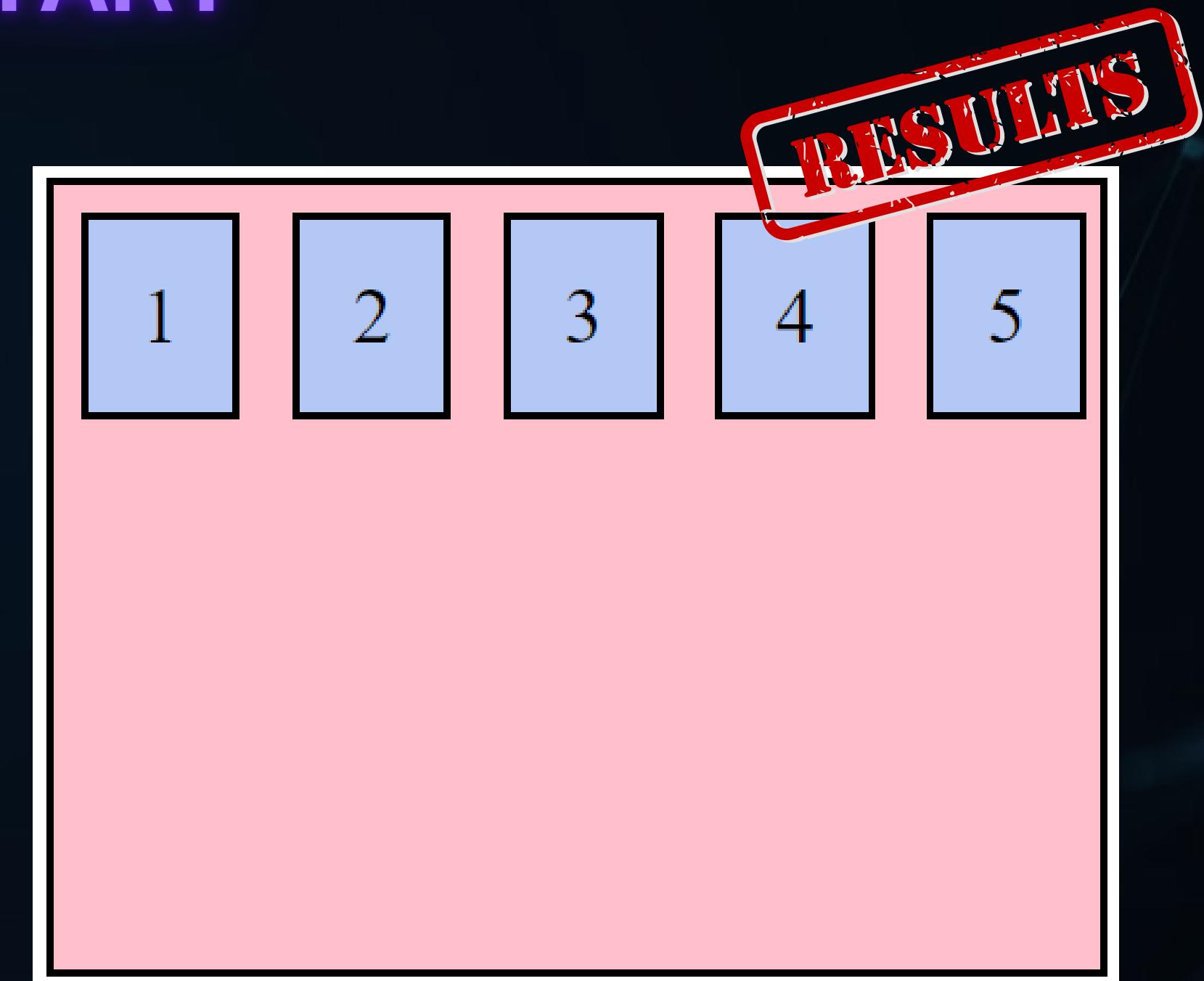
ALIGNING ITEMS ON THE CROSS-AXIS



FLEX-START



```
...  
.flex-container{  
  display: flex;  
  align-items: flex-start;  
  height: 300px;  
}
```



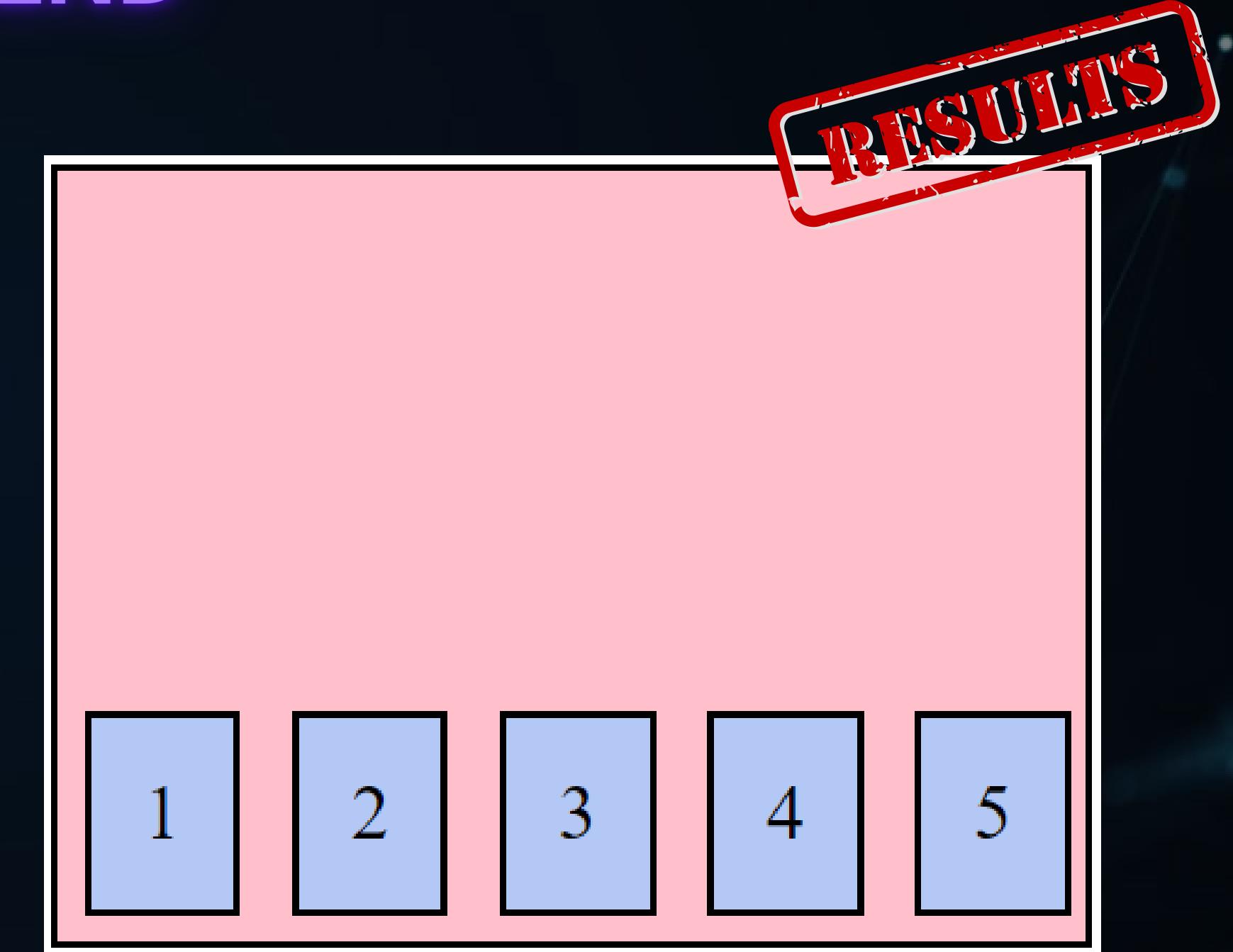
ALIGNING ITEMS ON THE CROSS-AXIS



FLEX-END



```
.flex-container{  
  display: flex;  
  align-items: flex-end;  
  height: 300px;  
}
```



ALIGNING ITEMS ON THE CROSS-AXIS

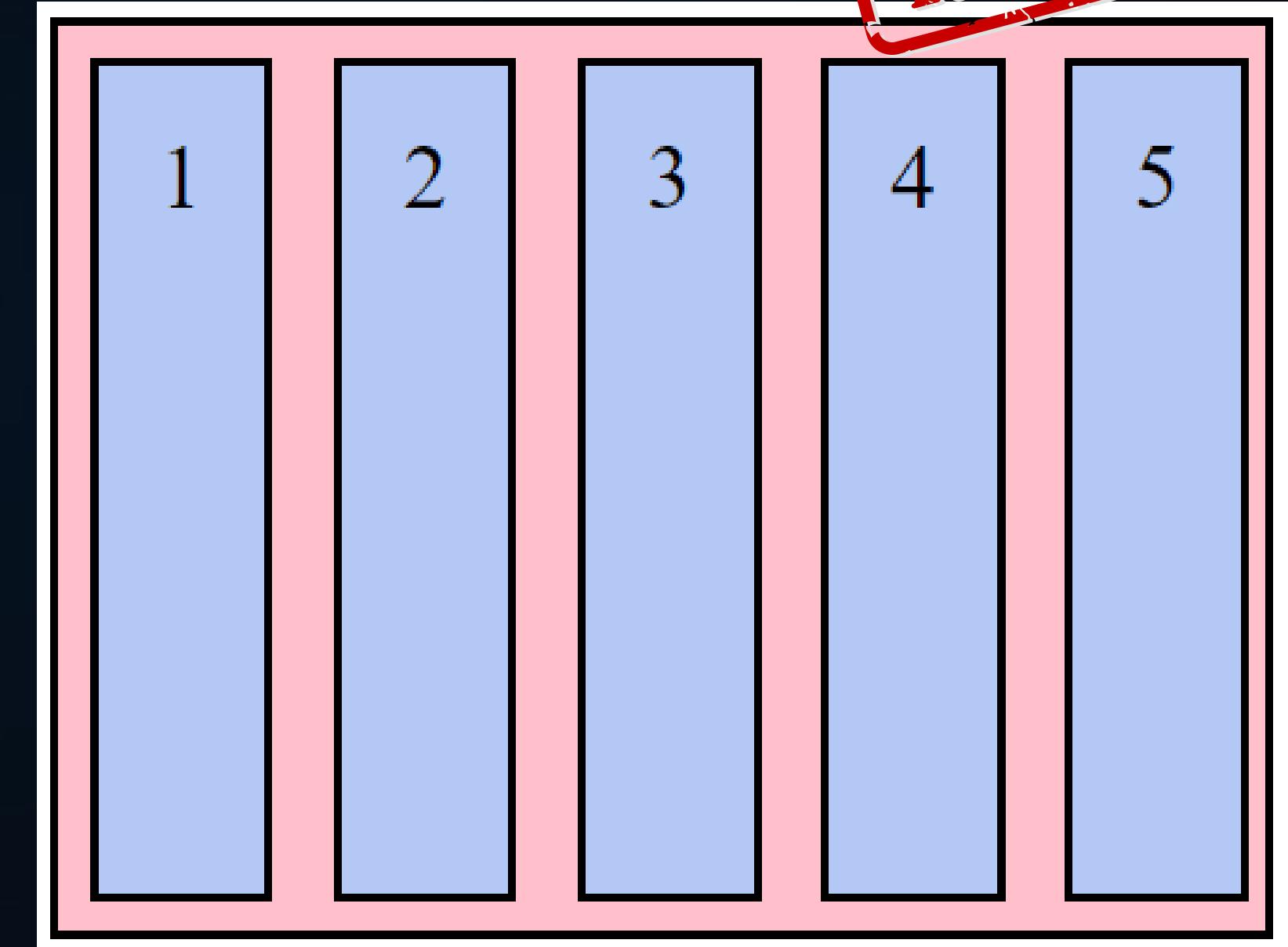


STRETCH

RESULTS



```
css  
3  
...  
.flex-container{  
  display: flex;  
  align-items: stretch;  
  height: 300px;  
}
```



FLEX-DIRECTION PROPERTY

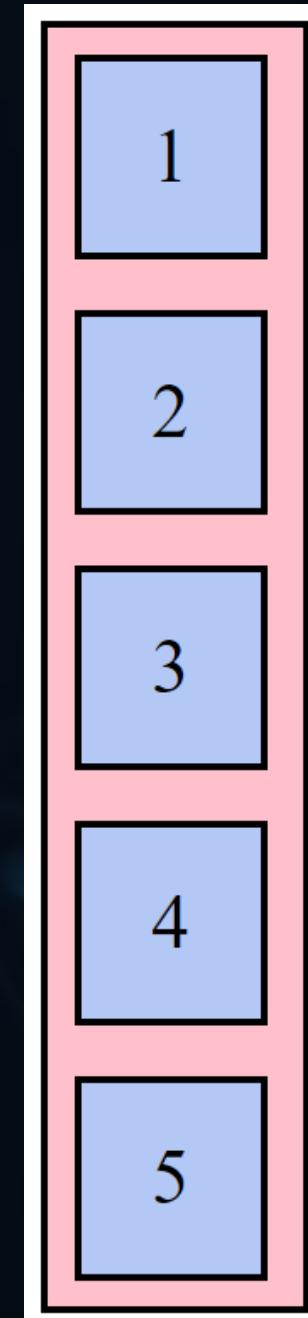


FLEX-DIRECTION PROPERTY COLUMN

```
...  
column  
  
.flex-container{  
  display: flex;  
  flex-direction:column;  
}
```



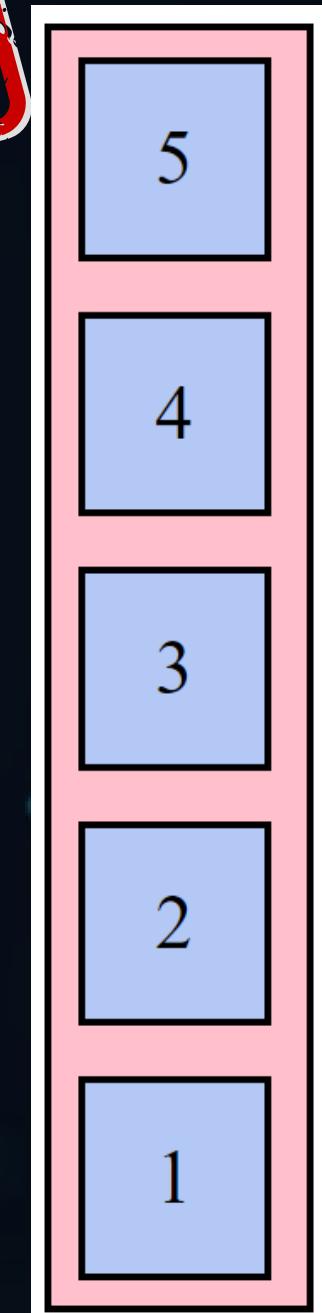
RESULTS



FLEX-DIRECTION PROPERTY COLUMN-REVERSE



RESULTS



...
column-reverse

```
.flex-container{  
  display: flex;  
  flex-direction:column-reverse;  
}
```

FLEX-DIRECTION PROPERTY ROW-REVERSE

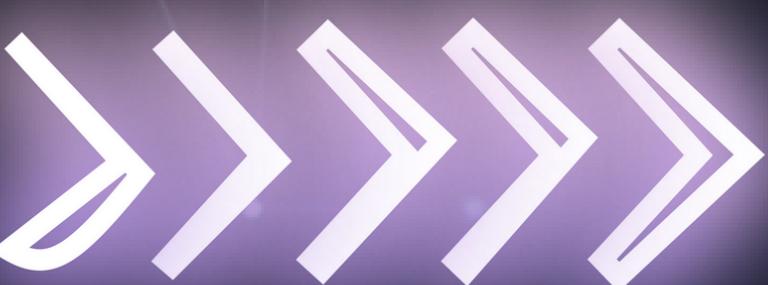


```
.flex-container{  
  display: flex;  
  flex-direction: row-reverse ;  
}
```

RESULTS



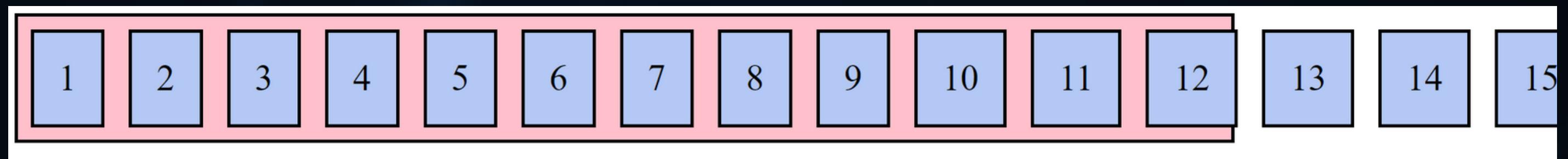
FLEX-WRAP PROPERTY



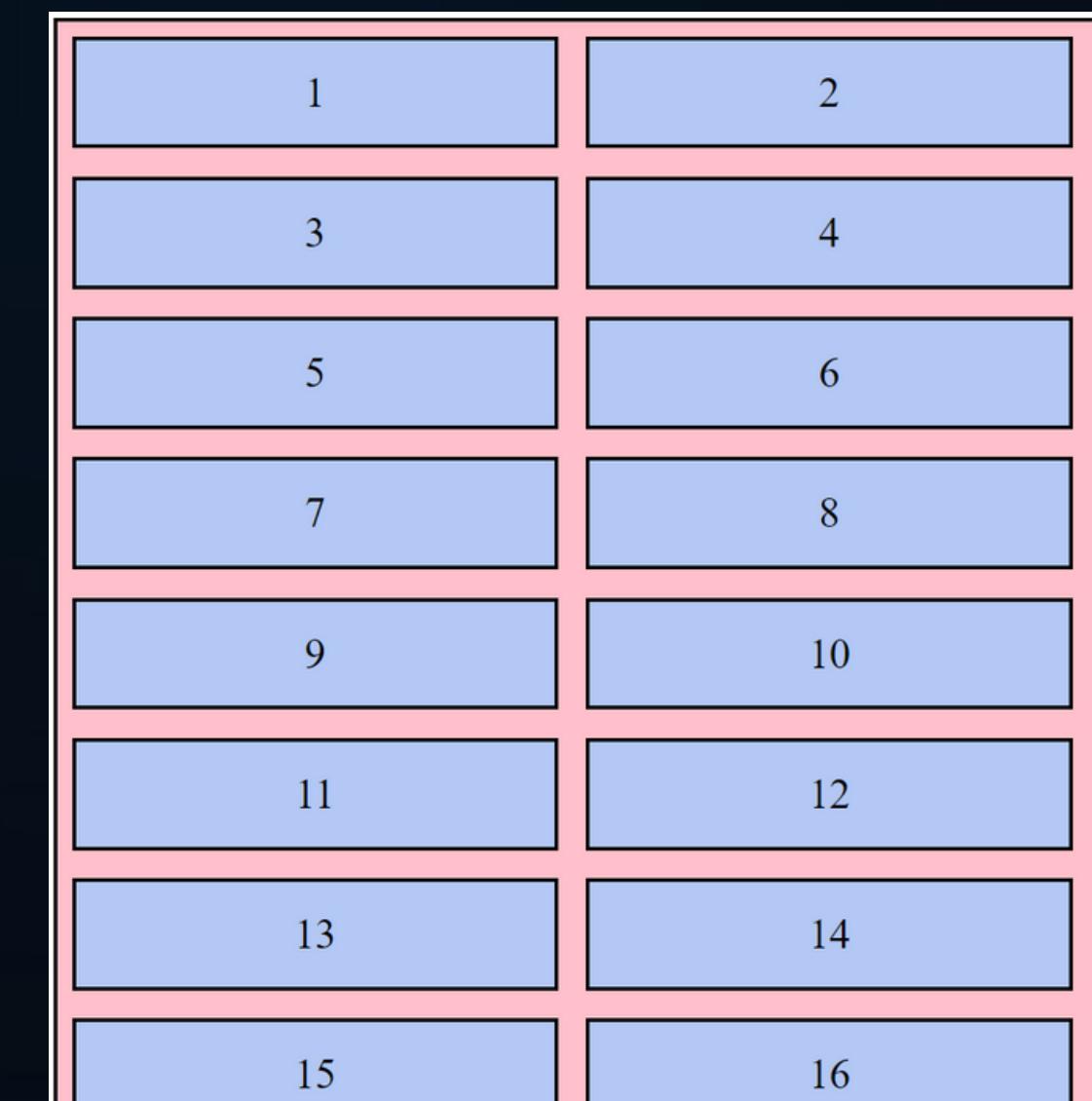


FLEX-WRAP

no-wrap



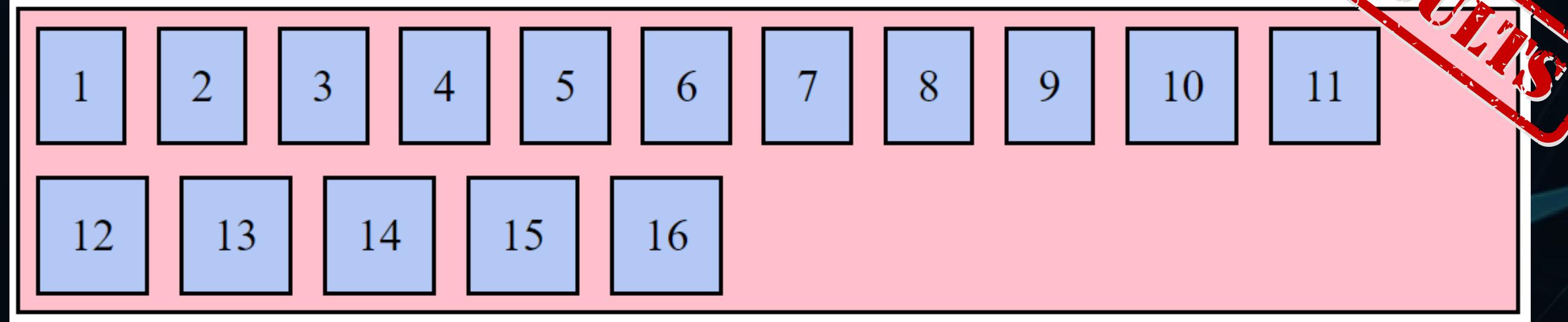
With wrap



FLEX-WRAP



```
...  
.flex-container{  
    display: flex;  
    flex-wrap: wrap;  
}
```



TOOLS

Tips

<https://flexboxfroggy.com>

FLEXBOX FROGGY

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Now use `align-items` to help the frogs get to the bottom of the pond. This CSS property aligns items vertically and accepts the following values:

- `flex-start`: Items align to the top of the container.
- `flex-end`: Items align to the bottom of the container.
- `center`: Items align at the vertical center of the container.
- `baseline`: Items display at the baseline of the container.
- `stretch`: Items are stretched to fit the container.

```
1 #pond {  
2   display: flex;  
3   align-items: flex-end  
4 }  
5  
6  
7  
8  
9  
10
```

Submit

