

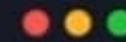


Main axis

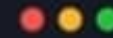


flex-direction = row

Cross axis



```
<div class="container">  
  <div class="item one">1</div>  
  <div class="item two">2</div>  
  <div class="item three">3</div>  
  <div class="item four">4</div>  
</div>
```



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

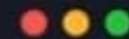


Main axis

Cross axis



flex-direction : row-reverse



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
</div>
```

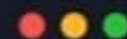


```
.container {
  display: flex;
  flex-direction: row-reverse;
}
```



Cross axis

Main axis



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
</div>
```

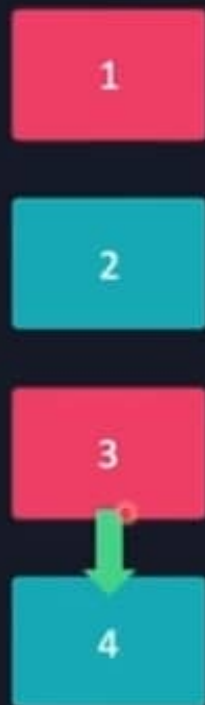


```
.container {
  display: flex;
  flex-direction: column;
}
```



Cross axis

Main axis



```
<div class="container">  
  <div class="item one">1</div>  
  <div class="item two">2</div>  
  <div class="item three">3</div>  
  <div class="item four">4</div>  
</div>
```



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



Cross axis

Main axis

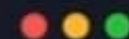
4

3

2

1

flex-direction : column-reverse



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
</div>
```



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

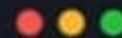


Main axis

Cross axis



flex-wrap : nowrap



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

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



Main axis

Cross axis

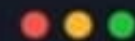
flex-wrap : wrap-reverse



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```



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

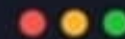
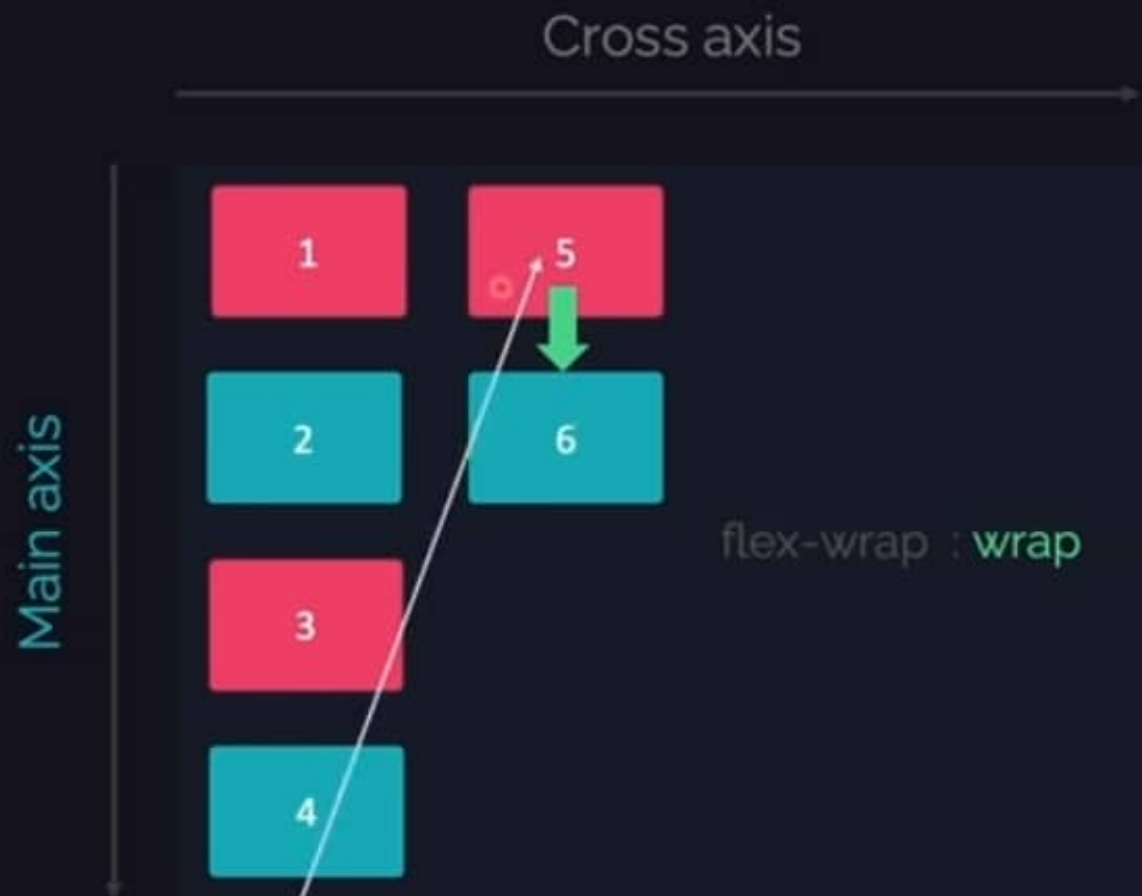



```
<div class="container">  
  <div class="item one">1</div>  
  <div class="item two">2</div>  
  <div class="item three">3</div>  
  <div class="item four">4</div>  
  <div class="item five">5</div>  
  <div class="item six">6</div>  
</div>
```



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





```
<div class="container">  
  <div class="item one">1</div>  
  <div class="item two">2</div>  
  <div class="item three">3</div>  
  <div class="item four">4</div>  
  <div class="item five">5</div>  
  <div class="item six">6</div>  
</div>
```



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

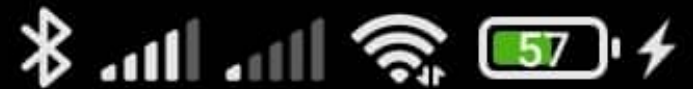


```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```



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

9:31 PM | 2.9KB/s 🔔 🎧 ·



flex-direction : column-reverse ↑
+
flex-wrap : nowrap = flex-flow

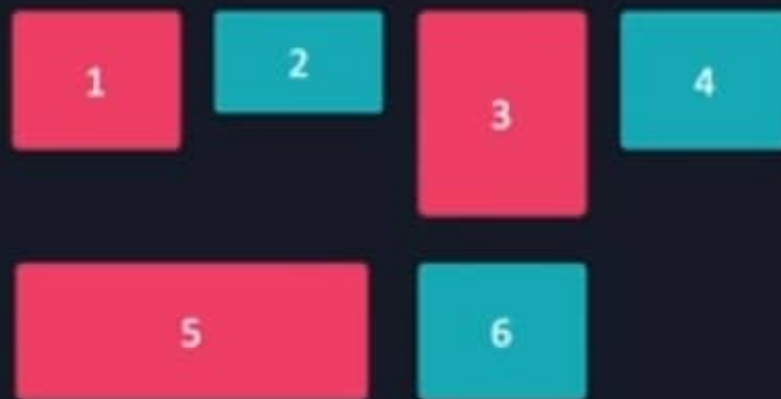


Main axis

start

end

Cross axis



justify-content : flex-start

```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
  justify-content: flex-start;
}
```



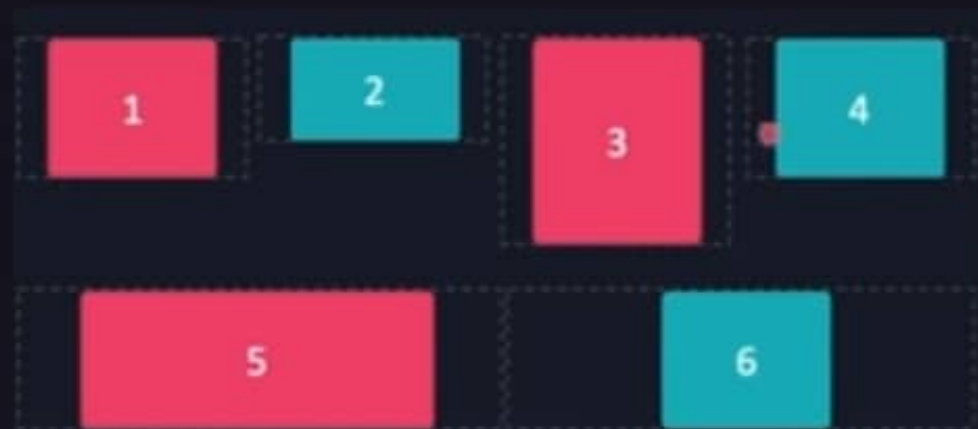
```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
  justify-content: flex-end;
}
```



Main axis

Cross axis



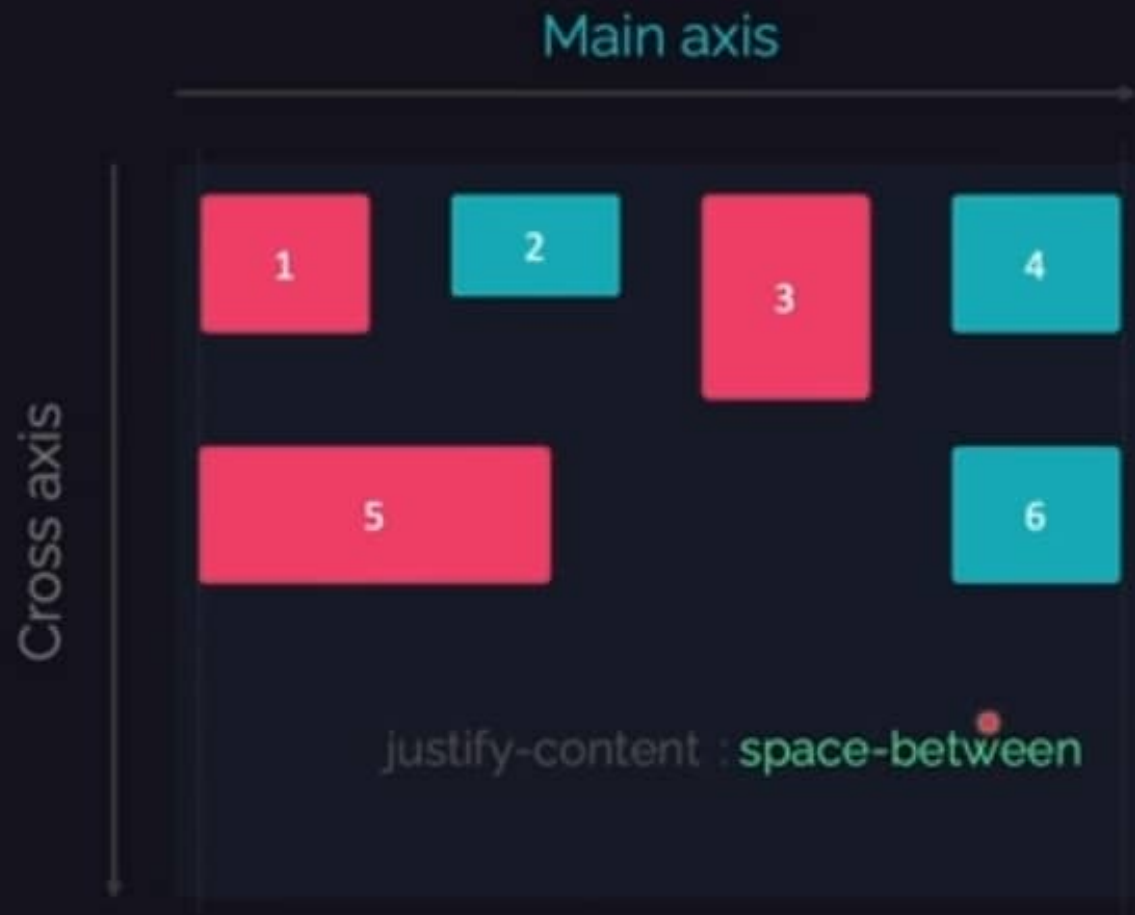
justify-content



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```



```
.container {
  flex-flow: row wrap;
  justify-content: space-around;
}
```



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
  justify-content: space-between;
}
```




```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

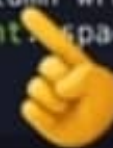


```
.container {
  flex-flow: row wrap;
  justify-content: space-between;
}
```



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: column wrap;
  justify-content: space-evenly;
}
```





Cross axis

Main axis

1

2

3

4

5

6

justify-content: space-evenly

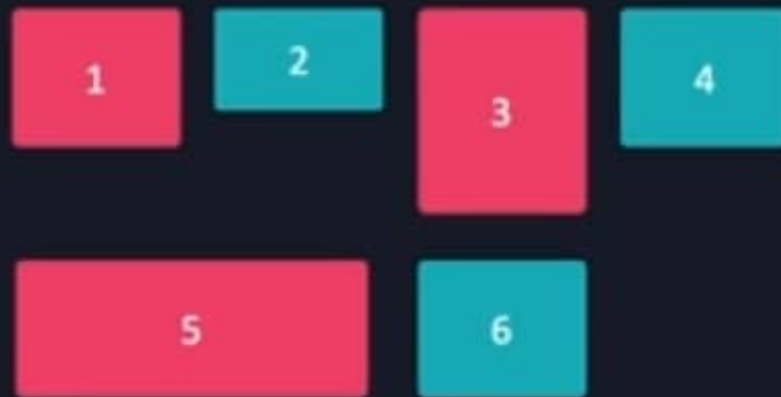
```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: column wrap;
  justify-content: space-evenly;
}
```



Main axis

Cross axis



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
}
```

ALIGN ITEMS



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
  align-items: stretch;
}
```



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
  align-items: stretch;
}
```



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
  align-items: stretch;
}
```




```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
  align-items: stretch;
}
```




```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
  align-items: stretch;
}
```



align-items : flex-start

```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
  align-items: flex-start;
}
```



align-items: flex-end

```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
  align-items: flex-end;
}
```



```
<div class="container">  
  <div class="item one">1</div>  
  <div class="item two">2</div>  
  <div class="item three">3</div>  
  <div class="item four">4</div>  
  <div class="item five">5</div>  
  <div class="item six">6</div>  
</div>
```

```
.container {  
  flex-flow: row wrap;  
  align-items: center;  
}
```



```
<div class="container">  
  <div class="item one">1</div>  
  <div class="item two">2</div>  
  <div class="item three">3</div>  
  <div class="item four">4</div>  
  <div class="item five">5</div>  
  <div class="item six">6</div>  
</div>
```

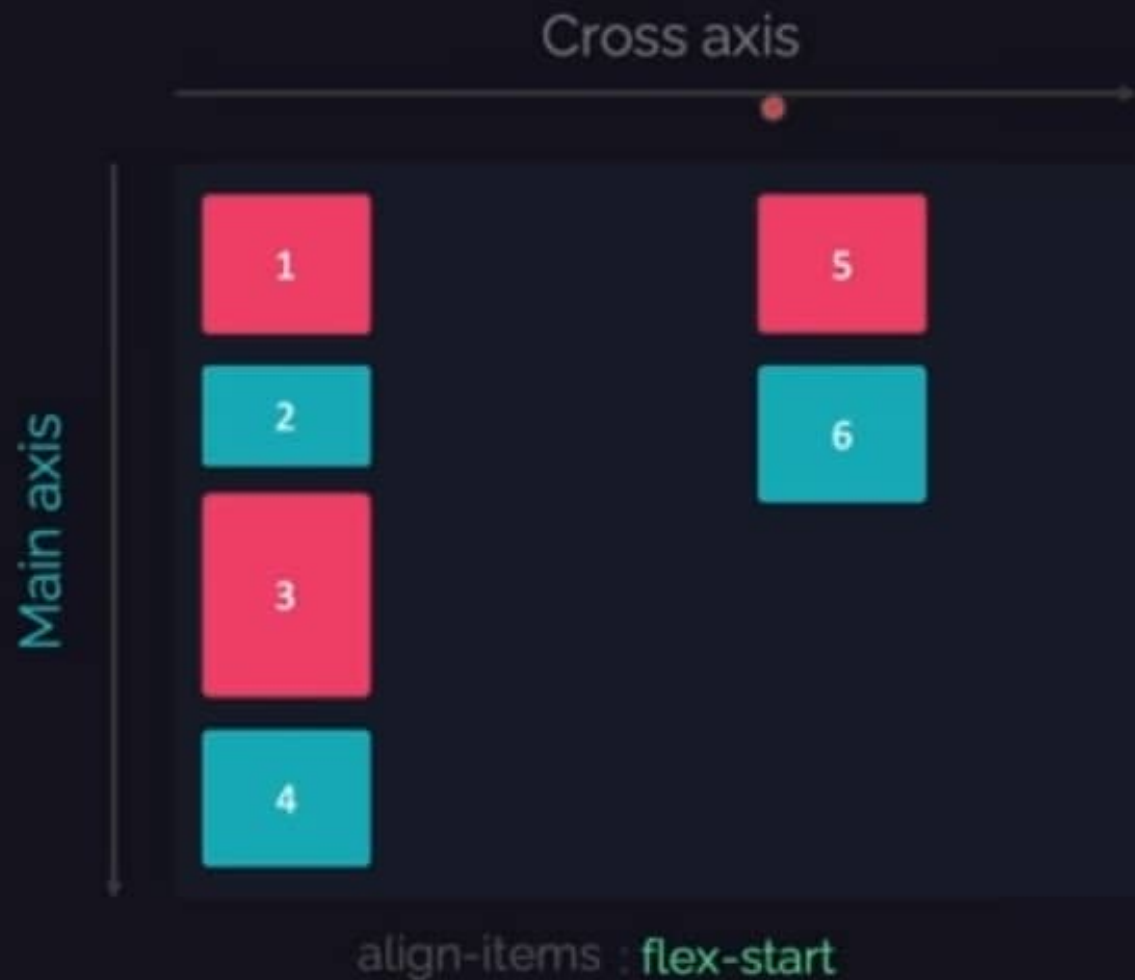
```
.container {  
  flex-flow: column wrap;  
  align-items: stretch;  
}
```





```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: column wrap;
  align-items: stretch;
}
```



```
<div class="container">  
  <div class="item one">1</div>  
  <div class="item two">2</div>  
  <div class="item three">3</div>  
  <div class="item four">4</div>  
  <div class="item five">5</div>  
  <div class="item six">6</div>  
</div>
```

```
.container {  
  flex-flow: column wrap;  
  align-items: flex-start;  
}
```




Cross axis

Main axis

1

2

3

4

5

6

align-items



```
<div class="container">  
  <div class="item one">1</div>  
  <div class="item two">2</div>  
  <div class="item three">3</div>  
  <div class="item four">4</div>  
  <div class="item five">5</div>  
  <div class="item six">6</div>  
</div>
```



```
.container {  
  flex-flow: column wrap;  
  align-items: flex-end;  
}
```



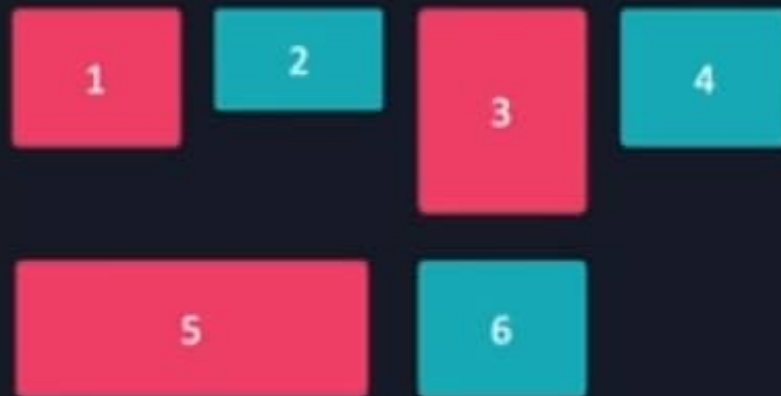

```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: column wrap;
  align-items: center;
}
```



Main axis

Cross axis



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
}
```

ALIGN CONTENT



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
}
```



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
  align-content: flex-end;
}
```



Main axis

Cross axis



align-content : center

```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
  align-content: center;
}
```



Main axis

Cross axis



align-content: space-around

```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
  align-content: space-around;
}
```



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
  align-content: space-between;
}
```




```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

```
.container {
  flex-flow: row wrap;
  align-content: space-evenly;
}
```




Main axis

Cross axis



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
  <div class="item five">5</div>
  <div class="item six">6</div>
</div>
```

ITEM PROPERTIES



Main axis

Cross axis



```
<div class="container">  
  <div class="item one">1</div>  
  <div class="item two">2</div>  
  <div class="item three">3</div>  
  <div class="item four">4</div>  
  <div class="item five">5</div>  
  <div class="item six">6</div>  
</div>
```

ORDER



Main axis

Cross axis



order



```
<div class="container">  
  <div class="item one">1</div>  
  <div class="item two">2</div>  
  <div class="item three">3</div>  
  <div class="item four">4</div>  
  <div class="item five">5</div>  
  <div class="item six">6</div>  
</div>
```



```
.one {  
  order: 1  
}  
  
.three {  
  order: 2  
}  
  
.five {  
  order: 2  
}
```



Main axis

Cross axis



```
<div class="container">  
  <div class="item one">1</div>  
  <div class="item two">2</div>  
  <div class="item three">3</div>  
  <div class="item four">4</div>  
</div>
```

FLEX GROW



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
</div>
```



Main axis

Cross axis



flex-grow: 1



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
</div>
```



```
.item {
  flex-grow: 1;
}
```



Main axis

Cross axis



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
</div>
```

FLEX SHRINK



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
</div>
```

```
.item {
  flex-shrink: 1;
}
```




Main axis

Cross axis



flex-shrink : 0



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
</div>
```



```
.item {
  flex-shrink: 0;
}
```



Main axis

Cross axis



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
</div>
```

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

.item {
  min-width: 100px;
}
```

FLEX BASIS



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
</div>
```

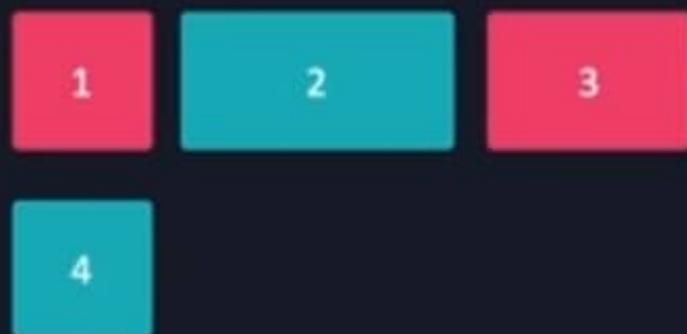
```
.container {
  flex-wrap: wrap;
}

.item {
  flex-basis: 100px;
}
```



Main axis

Cross axis



So what's the point of using flex-basis?

```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
</div>
```

```
.container {
  flex-wrap: wrap;
  flex-grow: 1;
}

.one {
  flex-basis: 50px;
}

.two {
  flex-basis: 100px;
}

.three {
  flex-basis: 70px;
}

.four {
  flex-basis: 50px;
}
```



```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
</div>
```

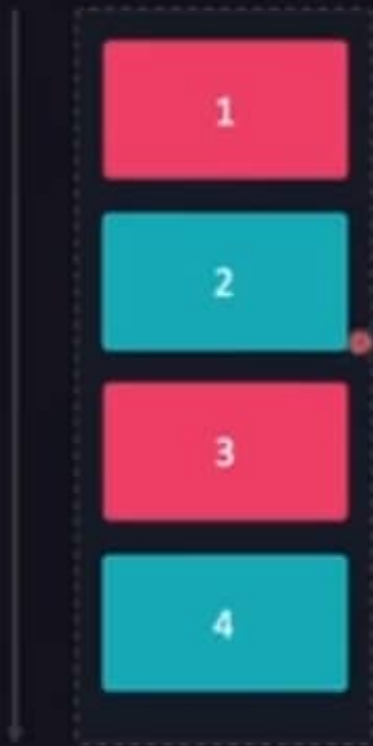
```
.container {
  flex-wrap: wrap;
  flex-grow: 1;
}

.item {
  min-width: 200px;
}
```



Main axis

Cross axis



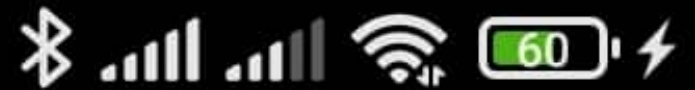
```
<div class="container">
  <div class="item one">1</div>
  <div class="item two">2</div>
  <div class="item three">3</div>
  <div class="item four">4</div>
</div>
```

```
.container {
  flex-wrap: wrap;
  flex-grow: 1;
}

.item {
  flex-basis: 200px;
}
```



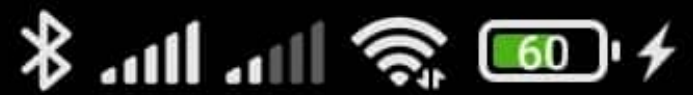
9:48 PM | 45.0KB/s



flex: [flex-grow] [flex-shrink] [flex-basis]



9:48 PM | 1.4KB/s



flex: 0 1 100px

