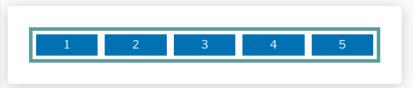
Introduction to Flexbox



Here, the items will take up equal space inside the parent, once their widths are set to maximum, because they are constraint by the parent. All the children will be in one row always, unless wrapping is used.

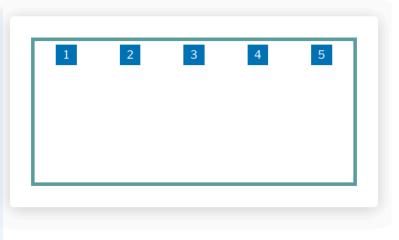


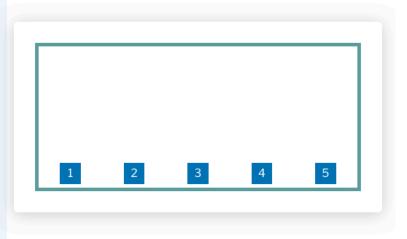


```
<div class="parent">
     <div class="item">1</div>
<div class="item">2</div>
     <div class="item">3</div>
     <div class="item">4</div>
     <div class="item">5</div>
</div>
<style>
     .parent {
          display: flex;
          flex-direction: column;
     .item {
         width: 50px;
</style>
<div class="parent">
     <div class="item">1</div>
<div class="item">2</div>
<div class="item">3</div>
     <div class="item">4</div>
<div class="item">5</div>
</div>
<style>
     .parent {
         display: flex;
          flex-direction: column-reverse;
     .item {
         width: 50px;
</style>
<div class="parent">
     <div class="item">1</div>
     <div class="item">2</div>
<div class="item">2</div>
<div class="item">3</div>
<div class="item">4</div>
      <div class="item">5</div>
</div>
<style>
     .parent {
          display: flex;
          flex-wrap: wrap;
      .item {
          width: 30%;
</style>
<div class="parent">
     <div class="item">1</div>
<div class="item">2</div>
     <div class="item">2</div>
<div class="item">3</div>
<div class="item">4</div>
<div class="item">5</div>
</div>
<style>
     .parent {
         display: flex;
           flex-wrap: wrap-reverse;
      .item {
          width: 30%;
</style>
```

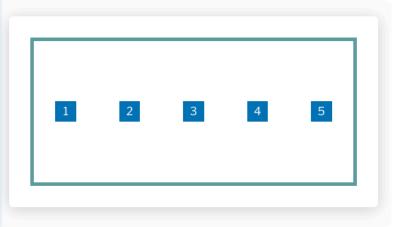
```
<div class="parent">
   <div class="item">1</div>
    <div class="item">2</div>
   <div class="item">3</div>
    <div class="item">4</div>
    <div class="item">5</div>
<style>
    .parent {
       display: flex;
       justify-content: flex-end;
    .item {
       width: 30%;
</style>
<div class="parent">
   <div class="item">1</div>
<div class="item">2</div>
    <div class="item">3</div>
    <div class="item">4</div>
    <div class="item">5</div>
</div>
                                                                                 1 2 3 4 5
<style>
    .parent {
       display: flex;
        justify-content: center;
    .item {
       width: 50px;
</style>
<div class="parent">
   <div class="item">1</div>
<div class="item">2</div>
    <div class="item">3</div>
    <div class="item">4</div>
    <div class="item">5</div>
</div>
                                                                 1
                                                                                                                       5
<style>
    .parent {
       display: flex;
        justify-content: space-between;
    .item {
       width: 50px;
</style>
<div class="parent">
   <div class="item">1</div>
    <div class="item">2</div>
   <div class="item">3</div>
    <div class="item">4</div>
    <div class="item">5</div>
</div>
                                                                                2
<style>
   .parent {
       display: flex;
       justify-content: space-around;
    .item {
      width: 50px;
</style>
```

The point to note is that align-items work on the Y-axis, whereas, justify-content works on X-axis.

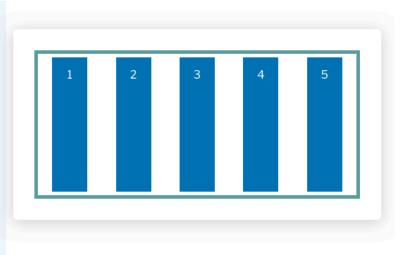


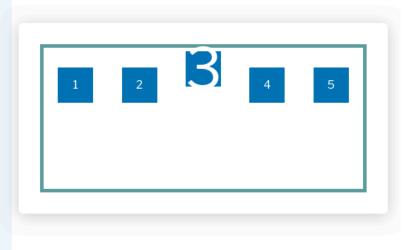


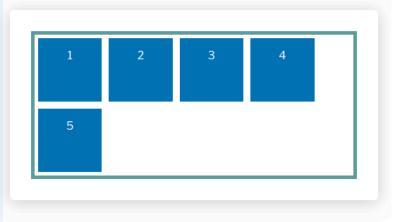
```
<div class="parent">
   <div class="item">1</div>
    <div class="item">2</div>
    <div class="item">3</div>
   <div class="item">4</div>
    <div class="item">5</div>
</div>
<style>
    .parent {
       display: flex;
        justify-content: space-around;
       height: 200px;
       align-items: center;
    .item {
       width: 50px;
</style>
```



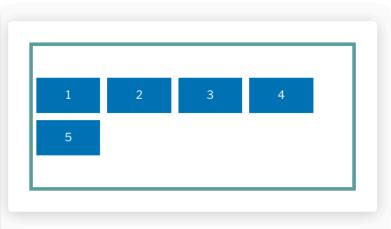
```
<div class="parent">
    <div class="item">1</div>
    <div class="item">2</div>
<div class="item">3</div>
    <div class="item">4</div>
    <div class="item">5</div>
</div>
<style>
    .parent {
        display: flex;
         justify-content: space-around;
        height: 200px;
        align-items: stretch;
    }
    .item {
        width: 50px;
</style>
```

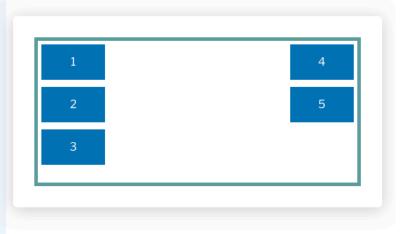






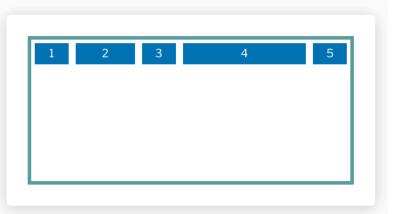
Similarly, align-content works on the Y-axis and has flexstart, flex-end, space-around, space-between.



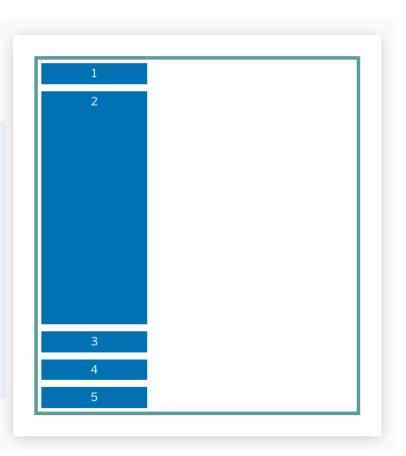


Here, flex-grow: 1; is default. Also, flex-shrink works in the same way, but it only reduces the width of the element.

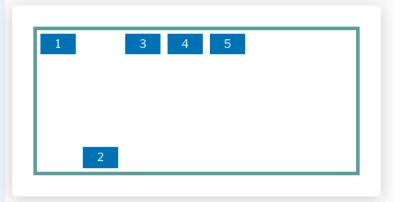
```
<div class="parent">
    <div class="item">1</div>
    <div class="item">2</div>
<div class="item">3</div>
    <div class="item">4</div>
    <div class="item">5</div>
</div>
<style>
    .parent {
        display: flex;
height: 200px;
    .item {
       flex-grow: 1;
    .item:nth-child(2) {
        flex-grow: 3;
    .item:nth-child(4) {
        flex-grow: 8;
</style>
```



The following code flex: 2 3 30px depicts flex-grow: 2, flex-shrink: 3 and flex-basis: 30px.



Here, align-self: flex-start is the default and other property is center and stretch as shown below.



Here, height is over-ridden to auto so as to show the functionality of stretch as item class already sets the height.

