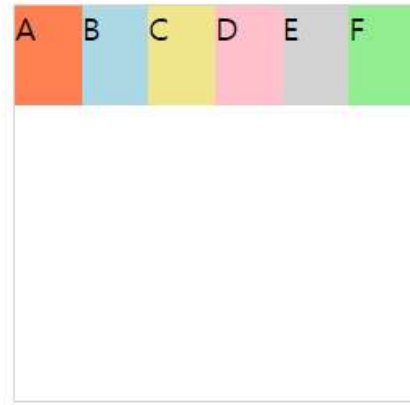


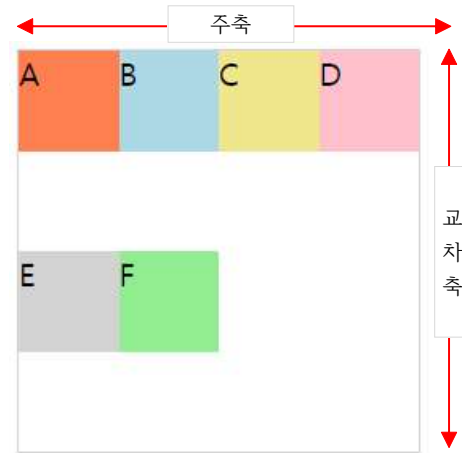
CSS flex-flow Property_ 부모영역에 설정: flex-direction과 flex-wrap를 포함한 속기속성.

```
<style>
main {
  width: 200px;
  height: 200px;
  border: 1px solid lightgray;
  display: flex;

  /*기본값: flex-flow:row nowrap; */
}
</style>
```



```
<style>
main {
  width: 200px;
  height: 200px;
  border: 1px solid lightgray;
  display: flex;
  flex-flow: row wrap;
}
</style>
```



```
<style>
main {
  width: 350px;
  height: 200px;
  border: 1px solid lightgray;
  display: flex;
  flex-flow: row-reverse nowrap;
}
</style>
```

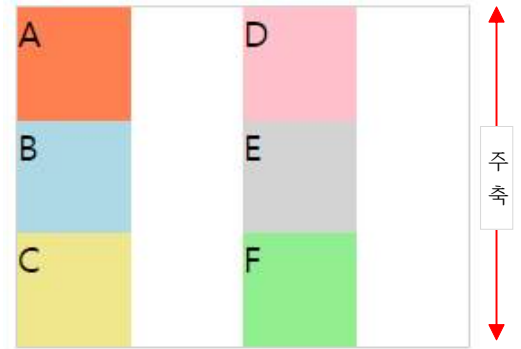


```
<style>
main {
  width: 200px;
  height: 150px;
  border: 1px solid lightgray;
  display: flex;
  flex-flow: column nowrap;
}
</style>
```

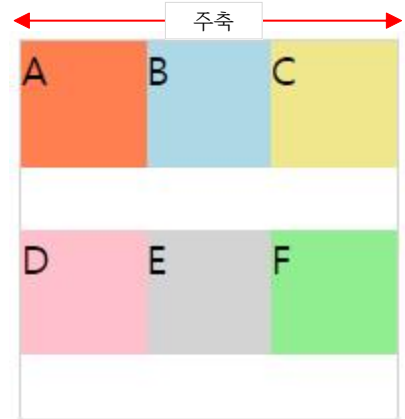
flex-shrink:1; 이 기본값이므로
높이가 축소된다.



```
main {
  width: 200px;
  height: 150px;
  border: 1px solid lightgray;
  display: flex;
  flex-flow: column wrap;
}
main section { width: 50px; height: 50px; }
```



```
<style>
main {
  width: 150px;
  height: 150px;
  border: 1px solid lightgray;
  display: flex;
  flex-flow: row wrap;
}
main section { width: 50px; height: 50px; }
</style>
```

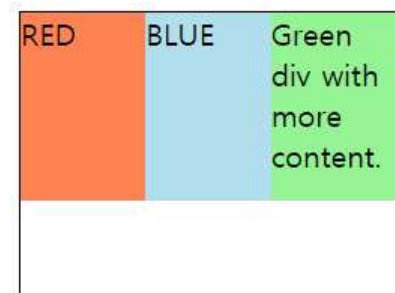


CSS align-items Property_ 부모요소에서 자식요소들의 교차축 (높이와 위치)를 결정 (기본값:stretch)

```
main {
  width: 200px; height: 150px;
  border: 1px solid black;
  display: flex;
  /*기본값: align-items:stretch; */
}
main section { flex: 1 0 0; }
/* flex: grow shrink basis 순, 기본값은 0 1 0 임 */
```



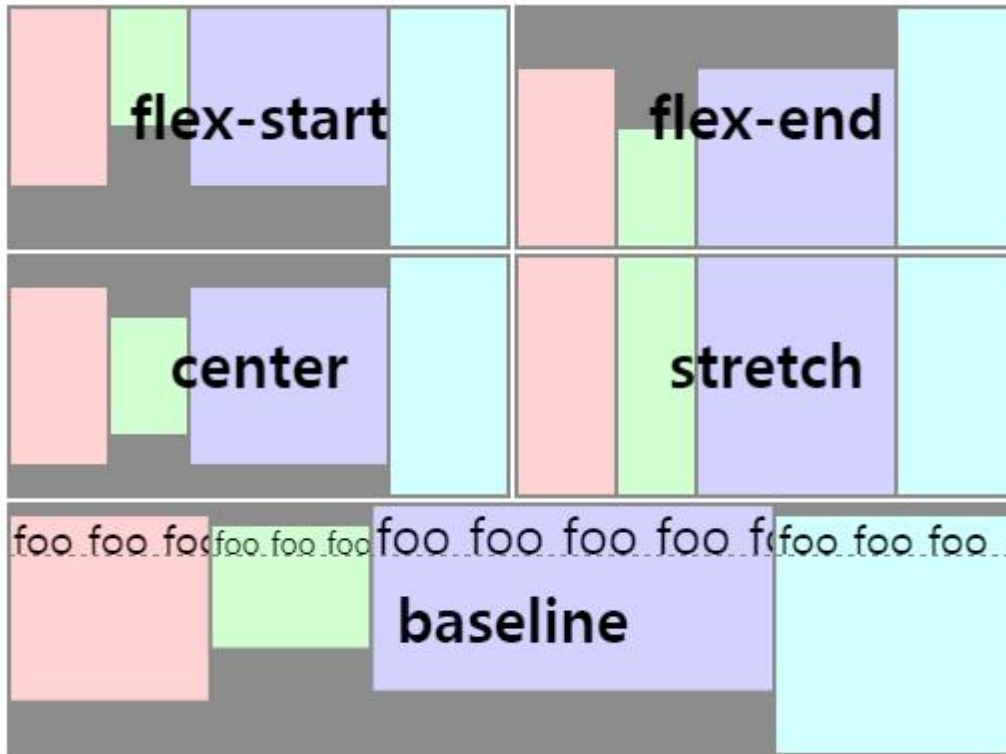
```
main {
  width: 200px; height: 150px;
  border: 1px solid black;
  display: flex;
}
main section { flex: 1; height: 100px; }
```



```
main {
  width: 200px; height: 150px;
  border: 1px solid black;
  display: flex; align-items: baseline;
}
main section { flex: 1; }
```

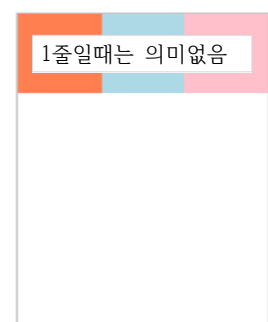


```
main {
  width: 200px; height: 150px;
  border: 1px solid black;
  display: flex; align-items: center
}
main section { flex: 1; height: 90px; }
```

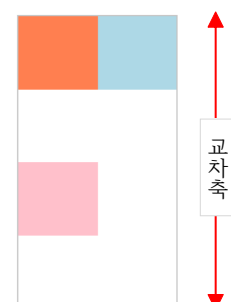


CSS align-content Property_ 부모가 교차축에서 자식요소들이 2줄이상 나열 될 때의 항목 정렬

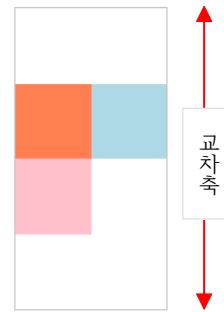
```
main {
  width: 100px; height: 200px;
  border: 1px solid #c3c3c3;
  display: flex;
}
main div { width: 50px; height: 50px; }
```



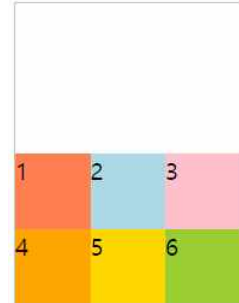
```
main {
  width: 100px; height: 200px;
  border: 1px solid #c3c3c3;
  display: flex; flex-wrap: wrap;
}
main div { width: 50px; height: 50px; }
```



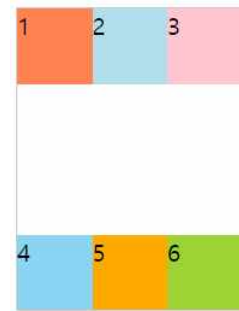
```
main {
  width: 100px; height: 200px;
  border: 1px solid #c3c3c3;
  display: flex;
  flex-wrap: wrap; align-content: center;
}
main div { width: 50px; height: 50px; }
```



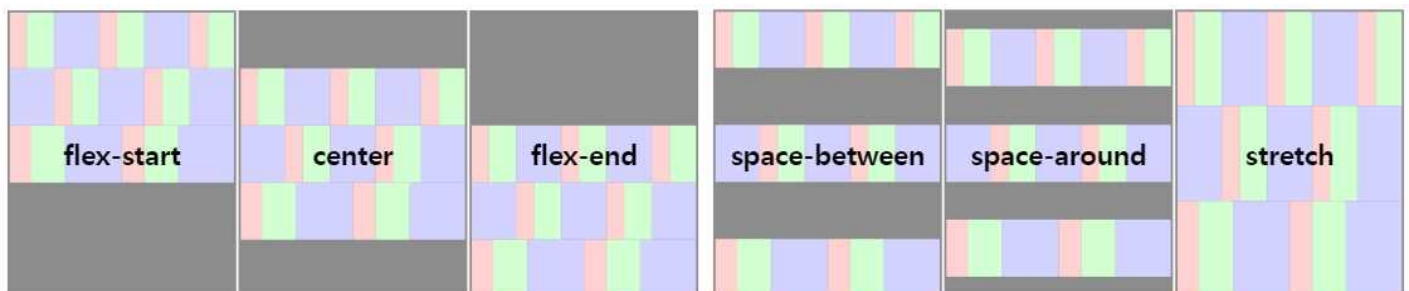
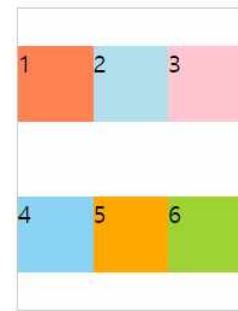
```
main {
  width: 150px; height: 200px;
  border: 1px solid #c3c3c3;
  display: flex;
  flex-wrap: wrap; align-content: flex-end;
}
main div { width: 50px; height: 50px; }
```



```
main {
  width: 150px; height: 200px;
  border: 1px solid #c3c3c3;
  display: flex;
  flex-wrap: wrap; align-content: space-between;
}
main div { width: 50px; height: 50px; }
```

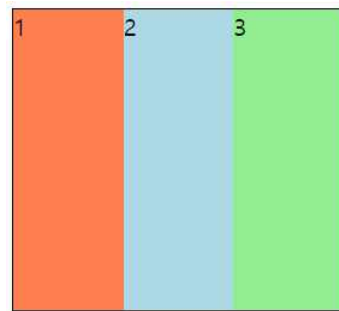


```
main {
  width: 150px; height: 200px;
  border: 1px solid #c3c3c3;
  display: flex;
  flex-wrap: wrap; align-content: space-around;
}
main div { width: 50px; height: 50px; }
```



CSS align-self Property_ 자식요소가 (각자) 자신들의 교차축 정렬을 결정.(기본값은 stretch; 높이100%)

```
main {
  width: 220px; height: 200px;
  border: 1px solid black;
  display: flex;
}
main div { flex: 1; }
```

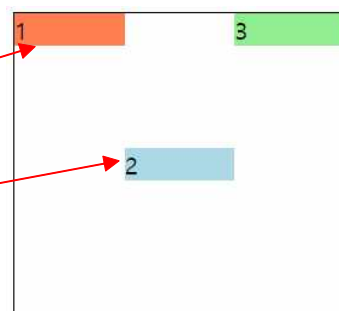


```
main {
  width: 220px; height: 200px;
  border: 1px solid black;
  display: flex;
}
main div { flex: 1; }
#skyblue { align-self: center; /*자신의 콘텐츠 높이에서 세로 정렬됨 */ }
/* 교차축 높이의 기본값: 자식요소의 교차축 높이는 부모의 높이만큼 늘어남. */
```

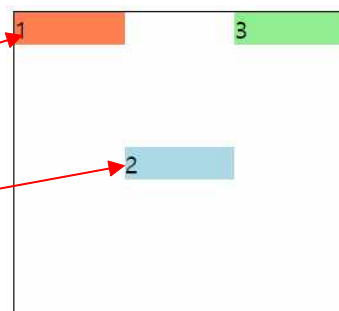


플렉스가 적용된 자식요소들의 높이는 기본적으로 부모의 높이만큼 늘어나지만, **align-self:center;** 적용이 되면, 콘텐츠의 양만큼의 높이에서 부모 높이의 중앙 즉 세로 정렬 가운데가 된다.

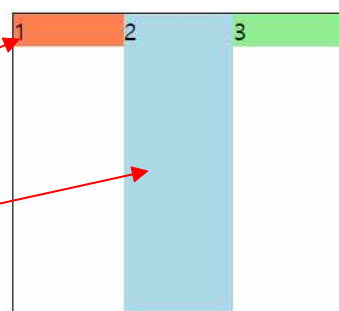
```
main {
  width: 220px; height: 200px;
  border: 1px solid black;
  display: flex; align-items: baseline;
}
main div { flex: 1; }
#skyblue { align-self: center; }
```



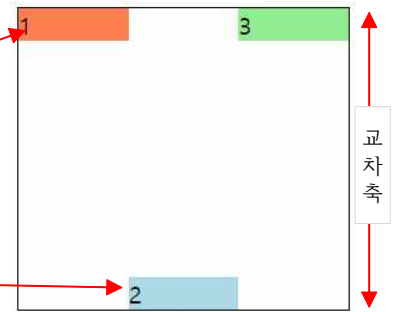
```
main {
  width: 220px; height: 200px;
  border: 1px solid black;
  display: flex; align-items: flex-start;
}
main div { flex: 1; }
#skyblue { align-self: center; }
```



```
main {
  width: 220px; height: 200px;
  border: 1px solid black;
  display: flex; align-items: flex-start;
}
main div { flex: 1; }
#skyblue { align-self: stretch; /*기본값*/ }
```

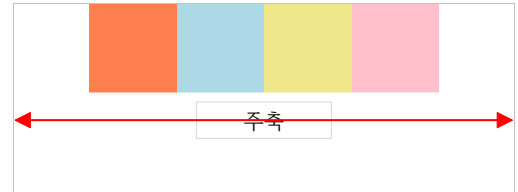


```
main {
  width: 220px; height: 200px;
  border: 1px solid black;
  display: flex; align-items: flex-start;
}
main div { flex: 1; }
#skyblue { align-self: flex-end; }
```



CSS justify-content Property_ 부모요소가 자식요소들의 주축 정렬을 결정

```
main {
  width: 400px; height: 150px;
  border: 1px solid #c3c3c3;
  display: flex;
  justify-content: center;
}
main div { width: 70px; height: 70px; }
```



```
main {
  width: 400px; height: 150px;
  border: 1px solid #c3c3c3;
  display: flex;
  justify-content: flex-end;
}
main div { width: 70px; height: 70px; }
```



```
main {
  width: 400px; height: 150px;
  border: 1px solid #c3c3c3;
  display: flex;
  justify-content: space-between;
}
main div { width: 70px; height: 70px; }
```



```
main {
  width: 400px; height: 150px;
  border: 1px solid #c3c3c3;
  display: flex;
  justify-content: space-around;
}
main div { width: 70px; height: 70px; }
```

