

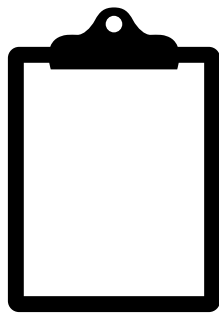
# CSS : FLEX

Property for Layout

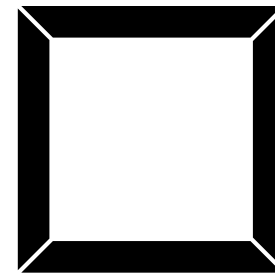


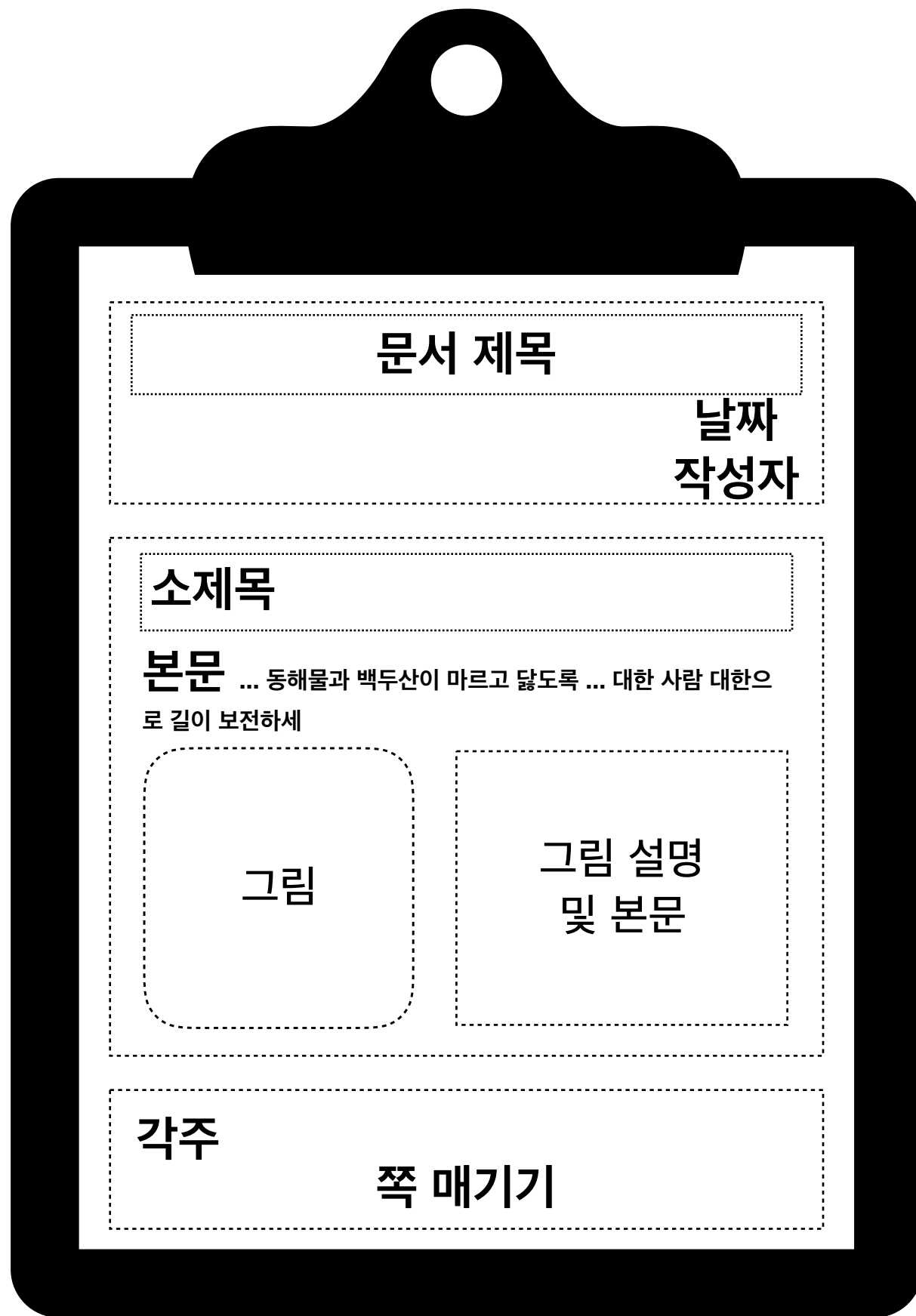
**HTML**

**In-line**

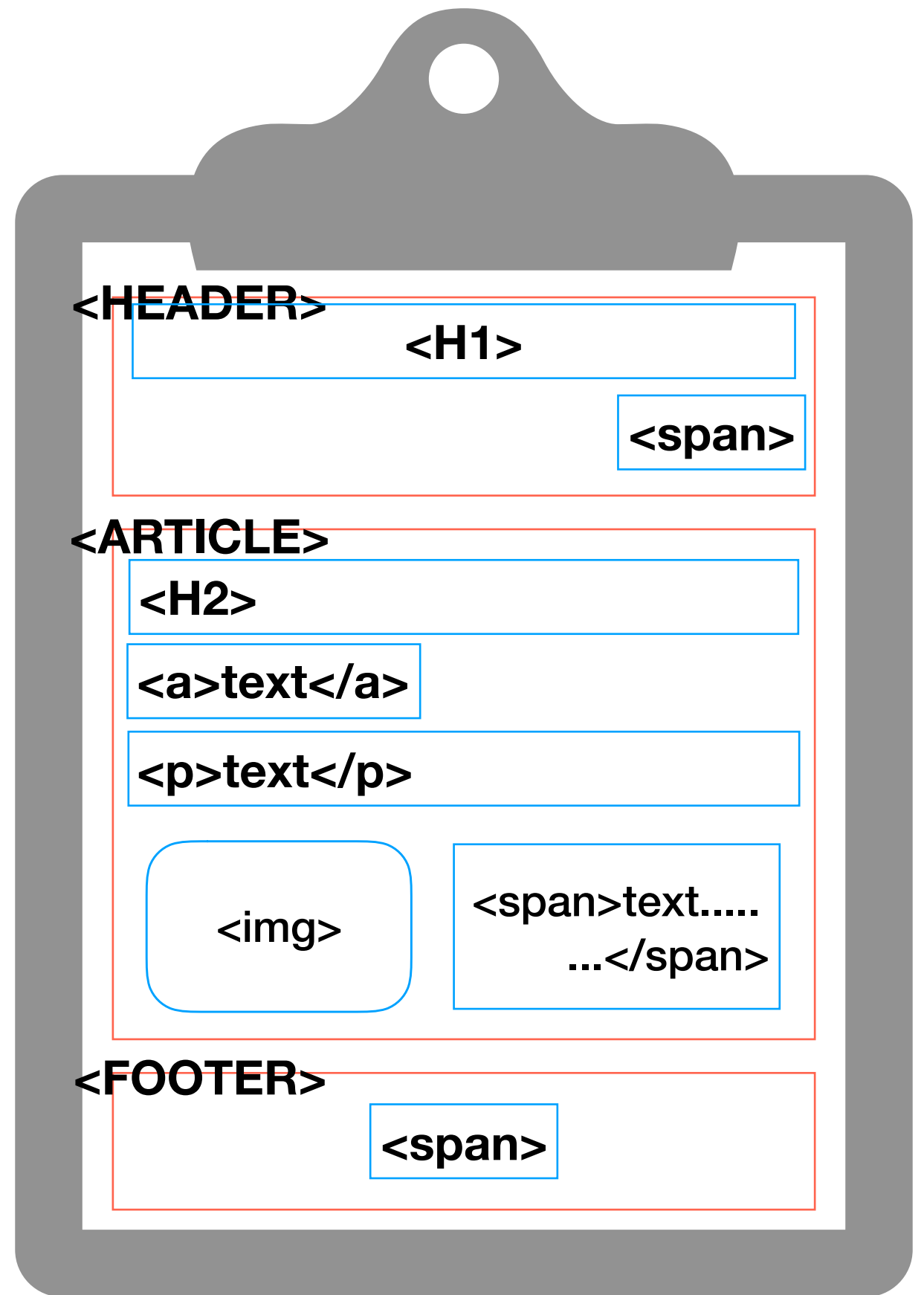


**Block**



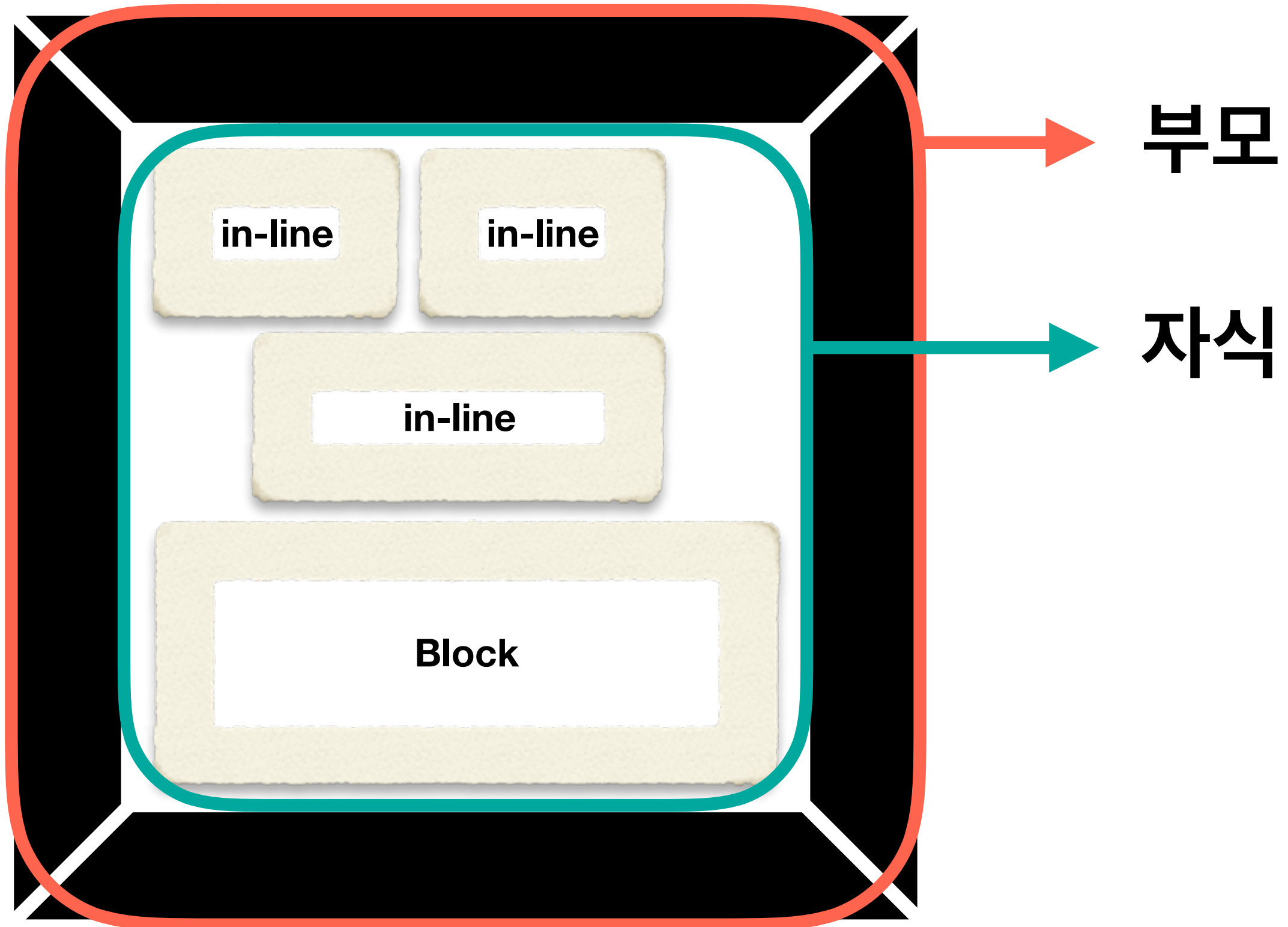


< DOCUMENT >



< HTML >

# BLOCK(BOX)



# FLEX 사용법

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- FLEX는 자식 Block을 정렬 시키는 속성이다.
- 정렬하고자 하는 자식 Block이 아닌,  
부모 Block에 FLEX 속성을 줘서 정렬 시켜야 함.
- 부모 Block { display : flex; } 선언이 기본

# {display: flex}

## HTML ▾

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, height=device-height">
  <title>JS Bin</title>
</head>
<body>
<div class="parents">
  <div id="child-1">자식-1</div>
  <div id="child-2">자식-2</div>
  <div id="child-3">자식-3</div>
  <div id="child-4">자식-4</div>
</div>
</body>
</html>
```

## CSS ▾

```
.parents {
  border: 1px solid black;
  display: flex;
}

.parents div {
  width: 100px;
  height: 100px;
  margin: 0 10px;
}

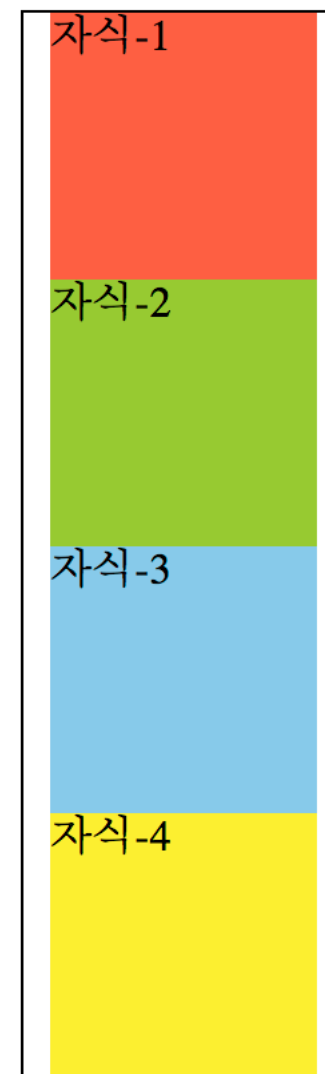
#child-1 {
  background: tomato;
}

#child-2 {
  background: yellowgreen;
}

#child-3 {
  background: skyblue;
}

#child-4 {
  background: yellow;
}
```

## Output



# {display: flex}

HTML ▾

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>JS Bin</title>
</head>
<body>
<div class="parents">
  <div id="child-1">자식-1</div>
  <div id="child-2">자식-2</div>
  <div id="child-3">자식-3</div>
  <div id="child-4">자식-4</div>
</div>
</body>
</html>
```

CSS ▾

```
.parents {
  border: 1px solid black;
  display: flex;
}

.parents div {
  width: 100px;
  height: 100px;
}

#child-1 {
  background: tomato;
}

#child-2 {
  background: yellowgreen;
}

#child-3 {
  background: skyblue;
}

#child-4 {
  background: yellow;
}
```

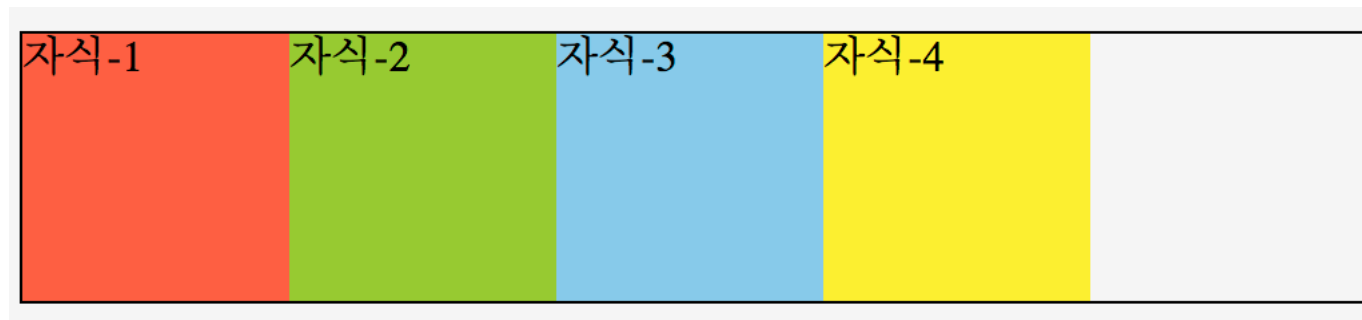
Output

Run with JS Auto-run JS ☒

# { justify-content : }

---

{ justify-content : **flex-start**; }



{ justify-content : **center**; }



{ justify-content : **flex-end**; }

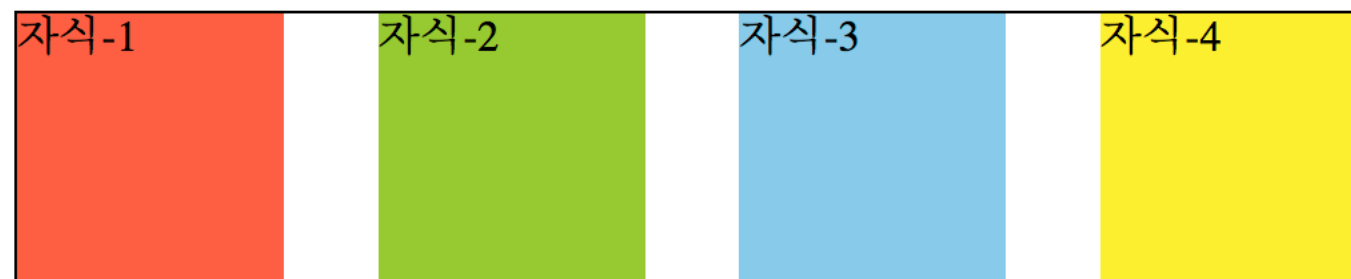




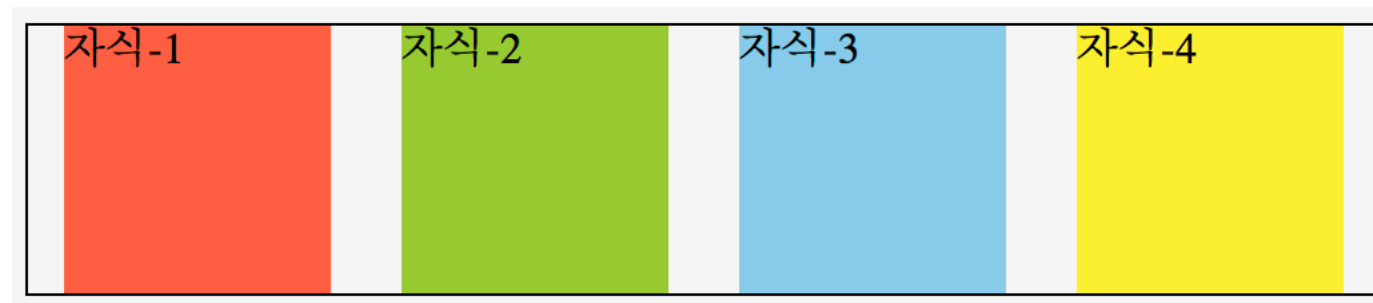
# { justify-content : }

---

{ justify-content : **space-between**; }



{ justify-content : **space-around**; }



# { align-items : }

---

: flex-start;



: center;



: flex-end;



: space-between;



: space-around;



# { flex-direction : }

---

{flex-direction : **column**; }



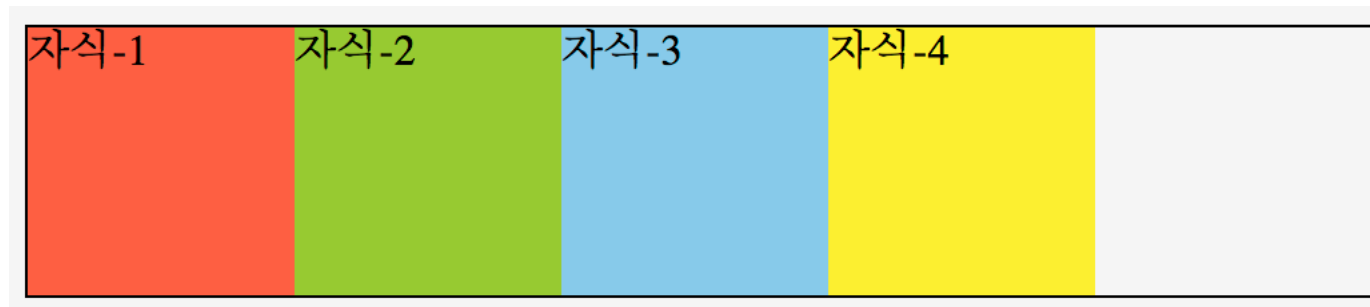
{flex-direction : **column-reverse**; }



# { flex-direction : }

---

{ flex-direction: **row**; }



{ flex-direction : **row-reverse**; }

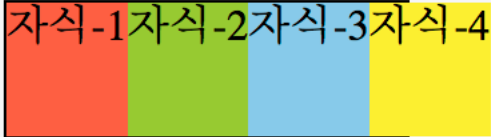


# { flex-wrap : wrap }

CSS ▾

```
.parents {  
  border: 1px solid;  
  display: flex;  
  width: 150px;  
}  
  
.parents div {  
  width: 100px;  
  height: 50px;  
}
```

Output



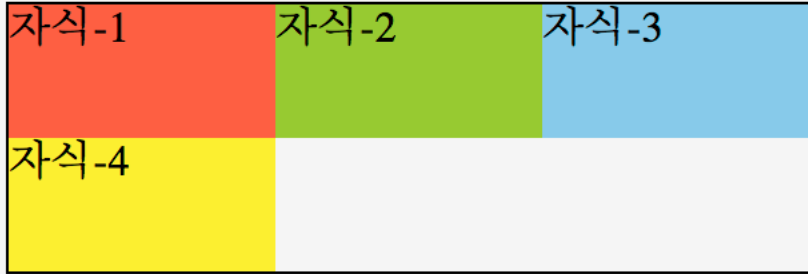
x4 = 400px

{ flex-wrap: wrap; }

CSS ▾

```
.parents {  
  border: 1px solid;  
  display: flex;  
  width: 300px;  
  flex-wrap: wrap;  
}  
  
.parents div {  
  width: 100px;  
  height: 50px;  
}
```

Output



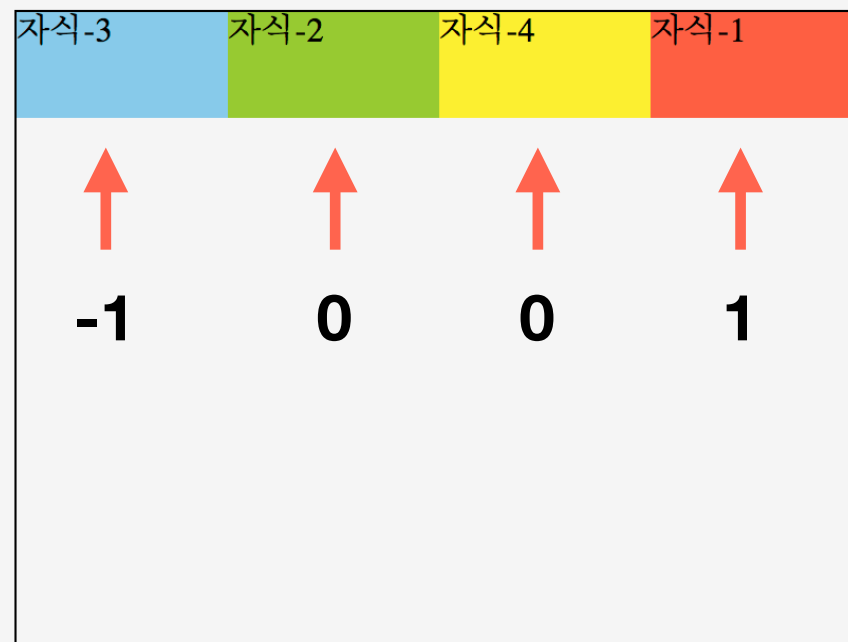
# 자식Block { order : }

모든 요소의 Order 기본값은 0, 오름차순 정렬

CSS ▾

```
.parents {  
  border: 1px solid;  
  height: 300px;  
  display: flex;  
}  
  
.parents div {  
  width: 100px;  
  height: 50px;  
}  
  
#child-1 {  
  background: tomato;  
  order: 1;  
}  
  
#child-2 {  
  background: yellowgreen;  
}  
  
#child-3 {  
  background: skyblue;  
  order: -1;  
}  
  
#child-4 {  
  background: yellow;  
}
```

Output



# 자식Block { self-align : }

---

CSS ▾

```
.parents {  
  border: 1px solid;  
  height: 300px;  
  display: flex;  
}  
  
.parents div {  
  width: 100px;  
  height: 50px;  
}  
  
#child-1 {  
  background: tomato;  
  order: 1;  
}  
  
#child-2 {  
  background: yellowgreen;  
  align-self: flex-end;  
}  
  
#child-3 {  
  background: skyblue;  
  order: -1;  
}  
  
#child-4 {  
  background: yellow;  
}
```

Output

