# 7.Flex

## 1. Flex-direction: row (水平)

```
<div class="conainer">
  <div class="row">
   <div class="col-3">
     <div class="box">1</div>
   </div>
   <div class="col-3">
     <div class="box">2</div>
   </div>
  </div>
</div>
```
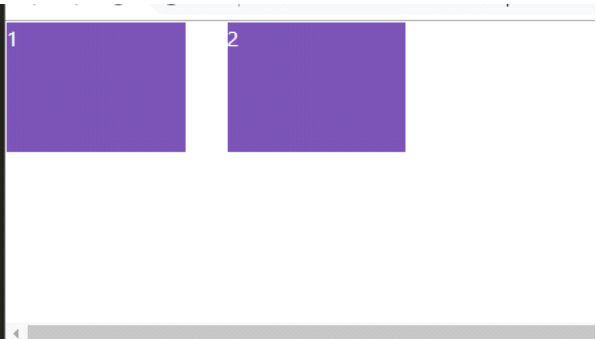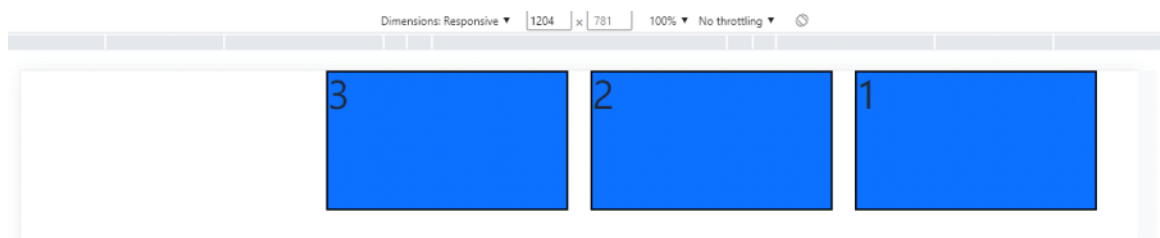
**flex-row-reverse**

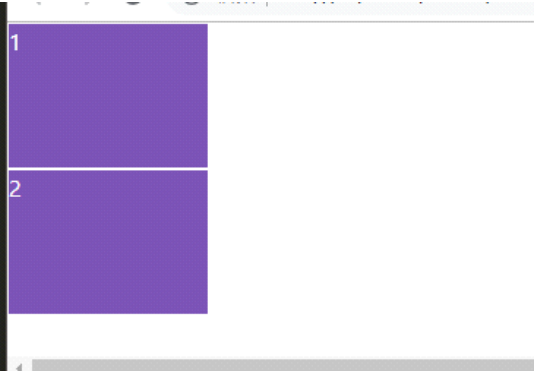```
<div class="container">
    <div class="row d-flex flex-row-reverse">
        <div class="col-3">
            <div class="box"><h1>1</h1></div>
        </div>
        <div class="col-3">
            <div class="box"><h1>2</h1></div>
        </div>
        <div class="col-3">
            <div class="box"><h1>3</h1></div>
        </div>
    </div>
</div>
```

## 2. Flex-direction: column (垂直)

```
<div class="conainer">
  <div class="row flex-column">
   <div class="col-3">
     <div class="box">1</div>
   </div>
   <div class="col-3">
     <div class="box">2</div>
   </div>
  </div>
</div>
```

```
<div class="conainer">
  <div class="row flex-column-reverse">
   <div class="col-3">
     <div class="box">1</div>
   </div>
   <div class="col-3">
     <div class="box">2</div>
   </div>
  </div>
</div>
```

## 3. justify-content-end 靠右邊對齊

```
<div class="conainer">
  <div class="row justify-content-end">
   <div class="col-3">
     <div class="box">1</div>
   </div>
   <div class="col-3">
     <div class="box">2</div>
   </div>
  </div>
</div>
```

## justify-content-between

```
<div class="conainer">
  <div class="row justify-content-betwe
   <div class="col-3">
     <div class="box">1</div>
   </div>
   <div class="col-3">
     <div class="box">2</div>
   </div>
  </div>
</div>
```

## 4. Align-item-X

```
<body>
<div class="conainer">
  <div class="row flex-column align-items-center">
    <div class="col-6">
      <div class="box"></div>
    </div>
    <div class="col-6">
      <div class="box"></div>
    </div>
    <div class="col-6">
      <div class="box"></div>
    </div>
    <div class="col-6">
      <div class="box"></div>
    </div>
    <div class="col-6">
      <div class="box"></div>
    </div>
  </div>
</div>

<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap
```
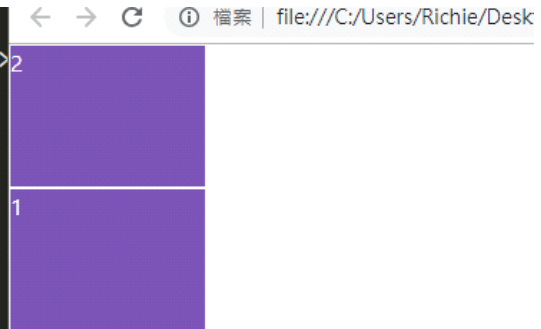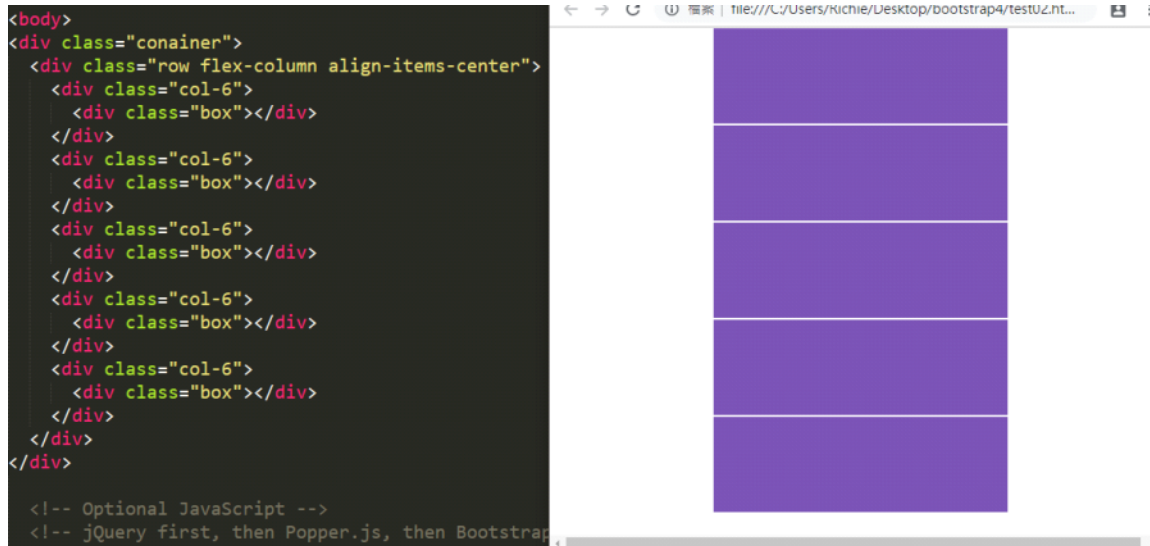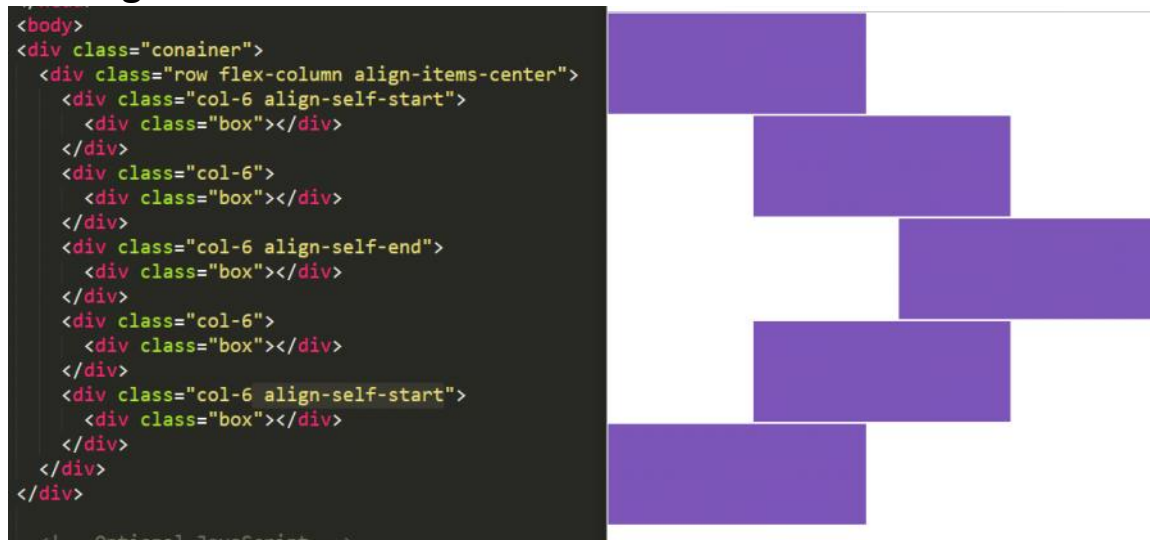
## 5. align-self-X

```
<body>
<div class="conainer">
  <div class="row flex-column align-items-center">
    <div class="col-6 align-self-start">
      <div class="box"></div>
    </div>
    <div class="col-6">
      <div class="box"></div>
    </div>
    <div class="col-6 align-self-end">
      <div class="box"></div>
    </div>
    <div class="col-6">
      <div class="box"></div>
    </div>
    <div class="col-6 align-self-start">
      <div class="box"></div>
    </div>
  </div>
</div>

<!-- Optional JavaScript -->
```
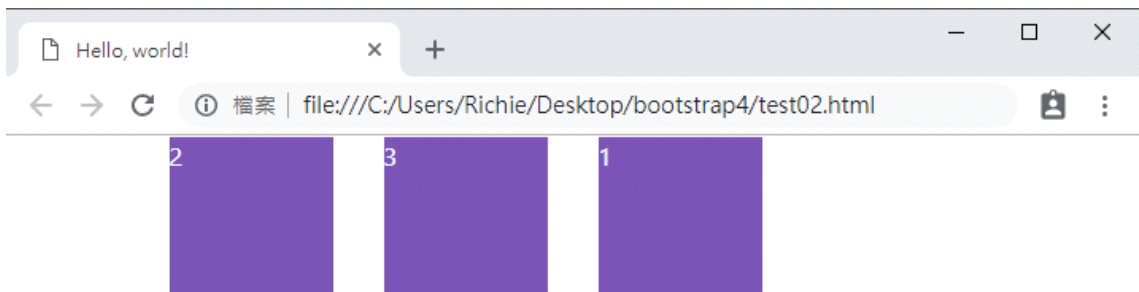
7. 排序 **order**
   使用 **order** 通用類別改變特定 **flex** 物件的 顯示 排序。我們僅
   提供將一個物件排在第一個或最後一個，以及重置使用
   **DOM** 次序。由於 **order** 只能使用整數值，對需要的任何額
   外值需要自定義 **CSS**。
   **.order-sm or md or lg or xl - 1~12**

```
<div class="container">
  <div class="row">
      <div class="col-3 order-1">
        <div class="box">1</div>
      </div>
      <div class="col-3">
        <div class="box order-3">2</div>
      </div>
      <div class="col-3">
        <div class="box order-2">3</div>
      </div>
  </div>
</div>
```



## 可針對特定大小改變順序

```
<div class="container">
  <div class="row">
      <div class="col-sm-3 order-sm-1">
        <div class="box">1</div>
      </div>
      <div class="col-sm-3">
        <div class="box order-sm-3">2</div>
      </div>
      <div class="col-sm-3">
        <div class="box order-sm-2">3</div>
      </div>
  </div>
</div>
```

## 8. 左右推移 ms-auto, me-auto (s: start e:end)

```html
<div class="container">
    <div class="row">
        <div class="col-2">
            <div class="box"><h1>1</h1></div>
        </div>
        <div class="col-2 me-auto">
            <div class="box"><h1>2</h1></div>
        </div>
        <div class="col-2">
            <div class="box"><h1>3</h1></div>
        </div>
    </div>
    <div class="row">
        <div class="col-2">
            <div class="box">
                <h1>1</h1>
            </div>
        </div>
        <div class="col-2 ms-auto">
            <div class="box">
                <h1>2</h1>
            </div>
        </div>
        <div class="col-2">
            <div class="box">
                <h1>3</h1>
            </div>
        </div>
    </div>
</div>
```
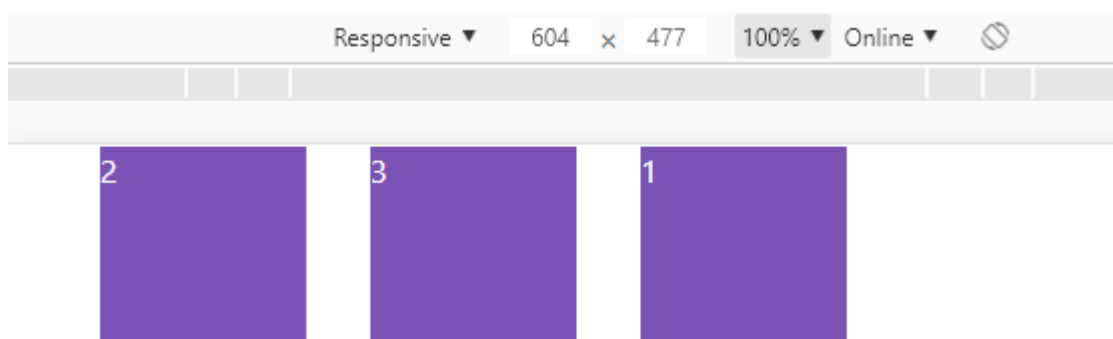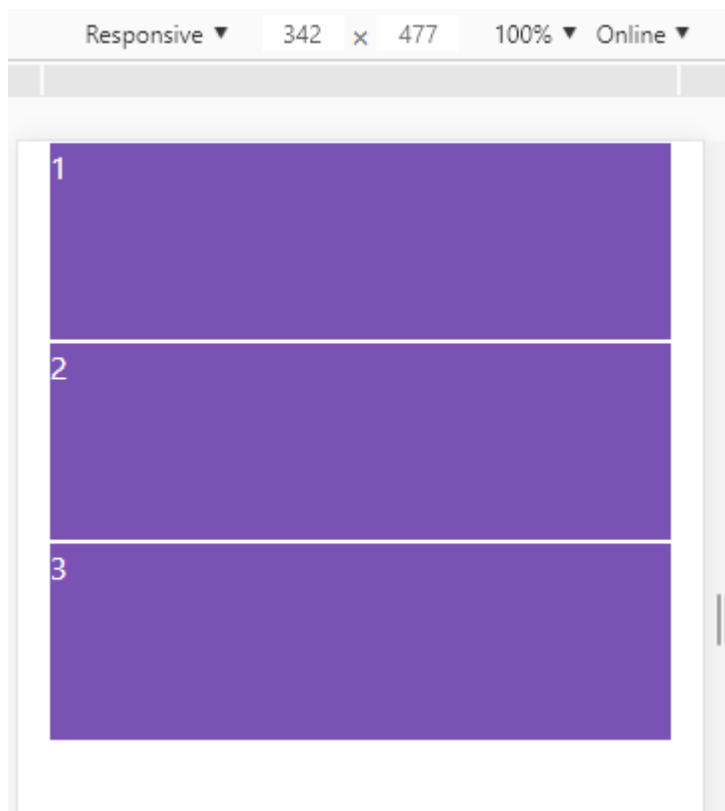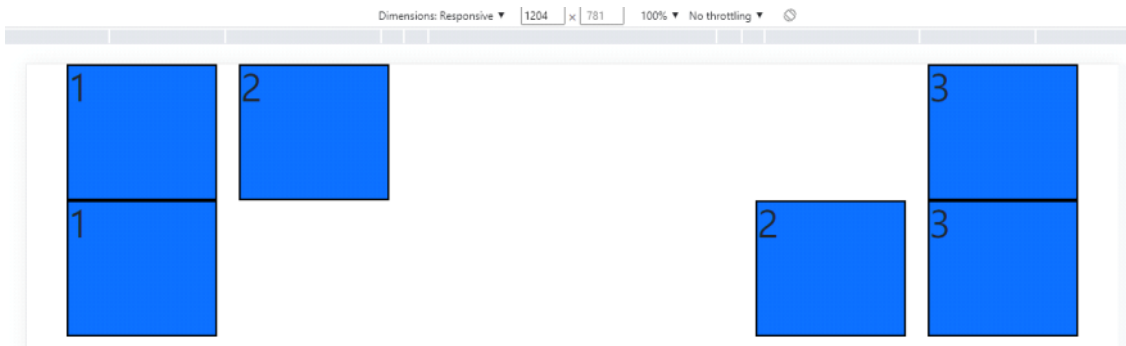
也可以使用在垂直推移 **mt-auto mb-to**

```html
<div class="container">
    <div class="row d-flex flex-column align-items-start" style="height: 100vh;">
        <div class="col-2">
            <div class="box"><h1>1</h1></div>
        </div>
        <div class="col-2 mb-auto">
            <div class="box"><h1>2</h1></div>
        </div>
        <div class="col-2">
            <div class="box"><h1>3</h1></div>
        </div>
    </div>
</div>
```
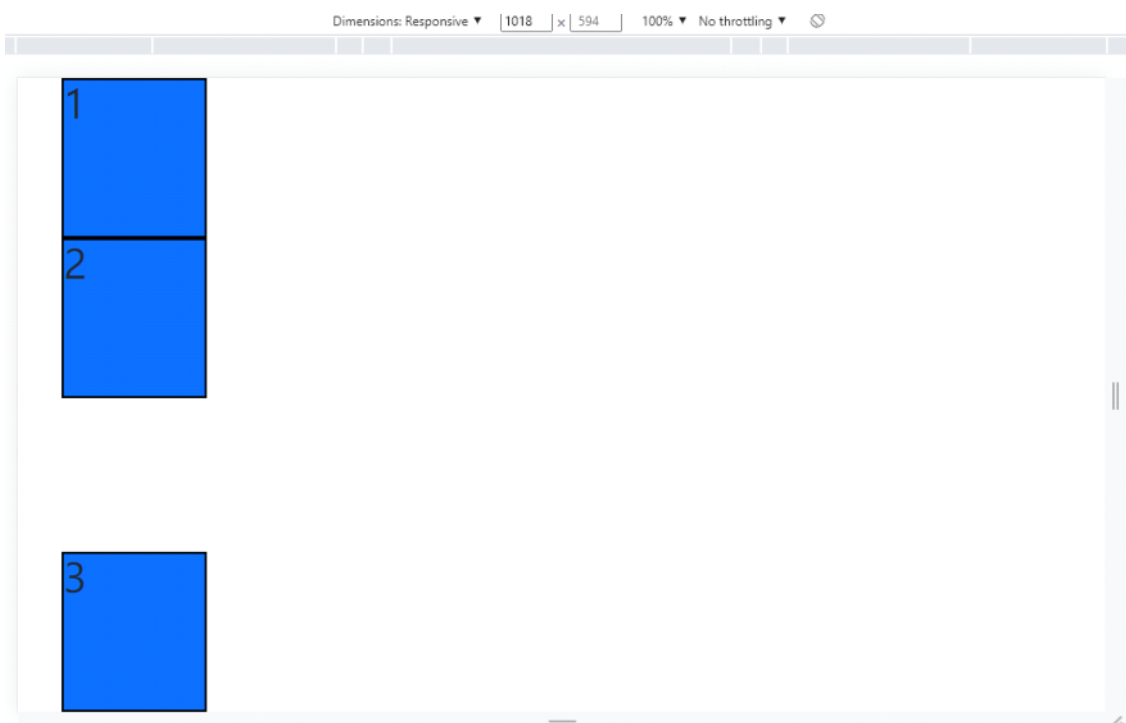


9. **flex-wrap (nowrap, wrap, wrap-reverse)**
   **nowrap:** 不要換行
   **wrap:** 空間滿了換行
   **wrap-reverse:** 空間滿了換行並反轉

```html
<div class="demo col-md-12">
  <div class="d-flex my-2 bg-light flex-nowrap" style="height: 100px">
    <div class="p-2 bg-info text-white border">Flex item1</div>
    <div class="p-2 bg-info text-white border">Flex item2</div>
    <div class="p-2 bg-info text-white border">Flex item3</div>
    <div class="p-2 bg-info text-white border">Flex item4</div>
    <div class="p-2 bg-info text-white border">Flex item5</div>
    <div class="p-2 bg-info text-white border">Flex item6</div>
    <div class="p-2 bg-info text-white border">Flex item7</div>
    <div class="p-2 bg-info text-white border">Flex item8</div>
    <div class="p-2 bg-info text-white border">Flex item9</div>
    <div class="p-2 bg-info text-white border">Flex item10</div>
    <div class="p-2 bg-info text-white border">Flex item11</div>
    <div class="p-2 bg-info text-white border">Flex item12</div>
  </div>
  <div class="d-flex my-2 bg-light flex-wrap" style="height: 100px">
    <div class="p-2 bg-info text-white border">Flex item1</div>
    <div class="p-2 bg-info text-white border">Flex item2</div>
    <div class="p-2 bg-info text-white border">Flex item3</div>
    <div class="p-2 bg-info text-white border">Flex item4</div>
    <div class="p-2 bg-info text-white border">Flex item5</div>
    <div class="p-2 bg-info text-white border">Flex item6</div>
    <div class="p-2 bg-info text-white border">Flex item7</div>
    <div class="p-2 bg-info text-white border">Flex item8</div>
    <div class="p-2 bg-info text-white border">Flex item9</div>
    <div class="p-2 bg-info text-white border">Flex item10</div>
    <div class="p-2 bg-info text-white border">Flex item11</div>
    <div class="p-2 bg-info text-white border">Flex item12</div>
  </div>
  <div class="d-flex my-2 bg-light flex-wrap-reverse" style="height: 100px">
    <div class="p-2 bg-info text-white border">Flex item1</div>
    <div class="p-2 bg-info text-white border">Flex item2</div>
    <div class="p-2 bg-info text-white border">Flex item3</div>
    <div class="p-2 bg-info text-white border">Flex item4</div>
    <div class="p-2 bg-info text-white border">Flex item5</div>
    <div class="p-2 bg-info text-white border">Flex item6</div>
    <div class="p-2 bg-info text-white border">Flex item7</div>
    <div class="p-2 bg-info text-white border">Flex item8</div>
    <div class="p-2 bg-info text-white border">Flex item9</div>
    <div class="p-2 bg-info text-white border">Flex item10</div>
    <div class="p-2 bg-info text-white border">Flex item11</div>
    <div class="p-2 bg-info text-white border">Flex item12</div>
  </div>
</div>
```
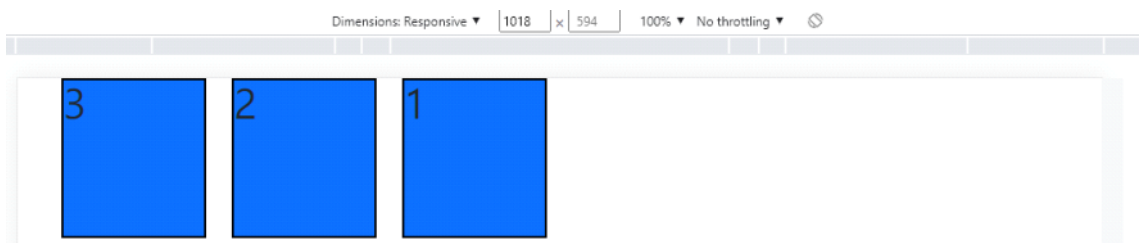
| Flex item1 | Flex item2 | Flex item3 | Flex item4 | Flex item5 | Flex item6 | Flex item7 | Flex item8 | Flex item9 | Flex item10 | Flex item11 | Flex item12 |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|

| Flex item1 | Flex item2 | Flex item3 | Flex item4 | Flex item5 | Flex item6 | Flex item7 |
|------------|------------|------------|------------|------------|------------|------------|
| Flex item8 | Flex item9 | Flex item10 | Flex item11 | Flex item12 | | |

| Flex item8 | Flex item9 | Flex item10 | Flex item11 | Flex item12 | | |
|------------|------------|------------|------------|------------|---|---|
| Flex item1 | Flex item2 | Flex item3 | Flex item4 | Flex item5 | Flex item6 | Flex item7 |

## 10. order (1 ~ 5)

```html
<div class="container">
    <div class="row d-flex">
        <div class="col-2 order-3">
            <div class="box">
                <h1>1</h1>
            </div>
        </div>
        <div class="col-2 order-2">
            <div class="box">
                <h1>2</h1>
            </div>
        </div>
        <div class="col-2 order-1">
            <div class="box">
                <h1>3</h1>
            </div>
        </div>
    </div>
</div>
```

Dimensions: Responsive ▼  1018  × 594   100% ▼  No throttling ▼  ⊘

## 11. Media object 常常使用在討論區