

# GRID SYSTEM & FLEX BOX

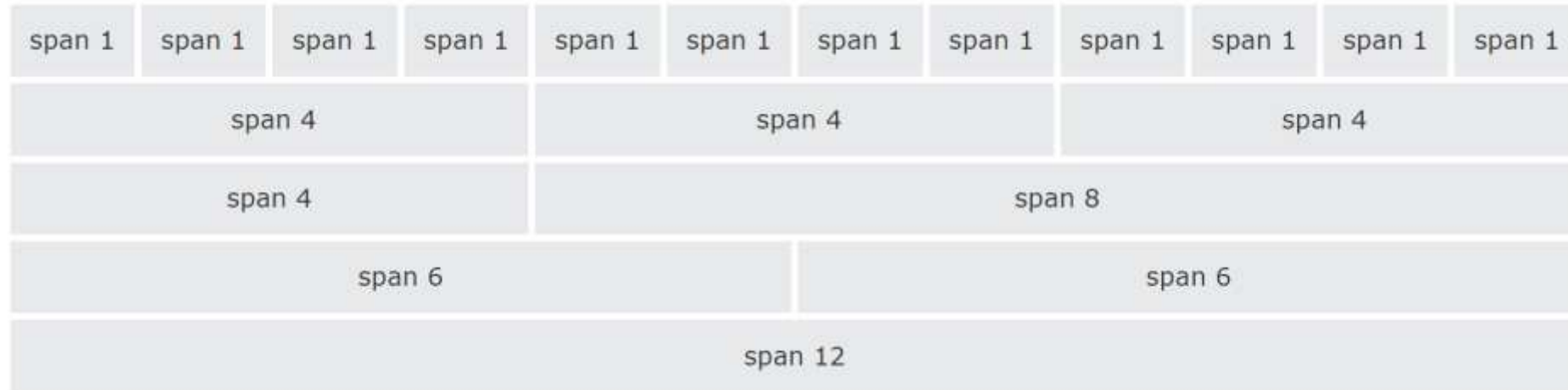
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# FLEX SYSTEM

- Flex system in Bootstrap is used to make system responsive
- **Properties of Flex:**
  - Horizontal direction
    - Flex-row (.d-flex flex-row)
    - Flex-row-reverse (.d-flex flex-row-reverse)
  - Vertical Direction
    - Flex-column (.d-flex flex-column)
    - flex-column-reverse (.d-flex flex-column-reverse)
  - Justify Content (.d-flex justify-content-value[start|center|end])
  - Fill / Equal Widths (.flex-fill)
  - Wrap
    - (.d-flex flex-wrap | .d-flex flex-wrap-reverse)
  - Order (.order – vale)
  - Grow (.flex-grow-value)

# GRID SYSTEM

- Bootstrap's grid system allows up to 12 columns across the page.
- If you do not want to use all 12 column individually, you can group the columns together to create wider columns:



# GRID CLASSES

- **CLASSES NEEDED TO PERFORM GRID OPERATIONS:**
  - row
  - col – (size) – (value)

The Bootstrap grid system has four classes:

- **xs** (for phones - screens less than 768px wide)
- **sm** (for tablets - screens equal to or greater than 768px wide)
- **md** (for small laptops - screens equal to or greater than 992px wide)
- **lg** (for laptops and desktops - screens equal to or greater than 1200px wide)

# BREAKPOINTS

Breakpoint	Class infix	Dimensions
X-Small	<i>None</i>	<576px
Small	<i>sm</i>	≥576px
Medium	<i>md</i>	≥768px
Large	<i>lg</i>	≥992px
Extra large	<i>xl</i>	≥1200px
Extra extra large	<i>xxl</i>	≥1400px