what is flexbox ?

Flex is a powerful open-source software tool for creating flexible and efficient web layouts. It is a CSS layout model that allows you to create dynamic and responsive layouts without the need for floats or positioning. Flexbox, also known as "Flexible Box Layout," is a set of CSS properties and values that provide an easy and flexible way to align and distribute space among items in a container.
Using flexbox, you can specify the size and position of elements relative to their container and to each other. This makes it easier to create complex layouts that adapt to different screen sizes and devices. Flexbox can also be combined with other CSS layout models, such as CSS Grid, to create even more sophisticated layouts.

Flexbox properties

display: This property is used to define a flex container. By setting the display property to flex or inline-flex, you can turn a block or inline-level element into a flex container.
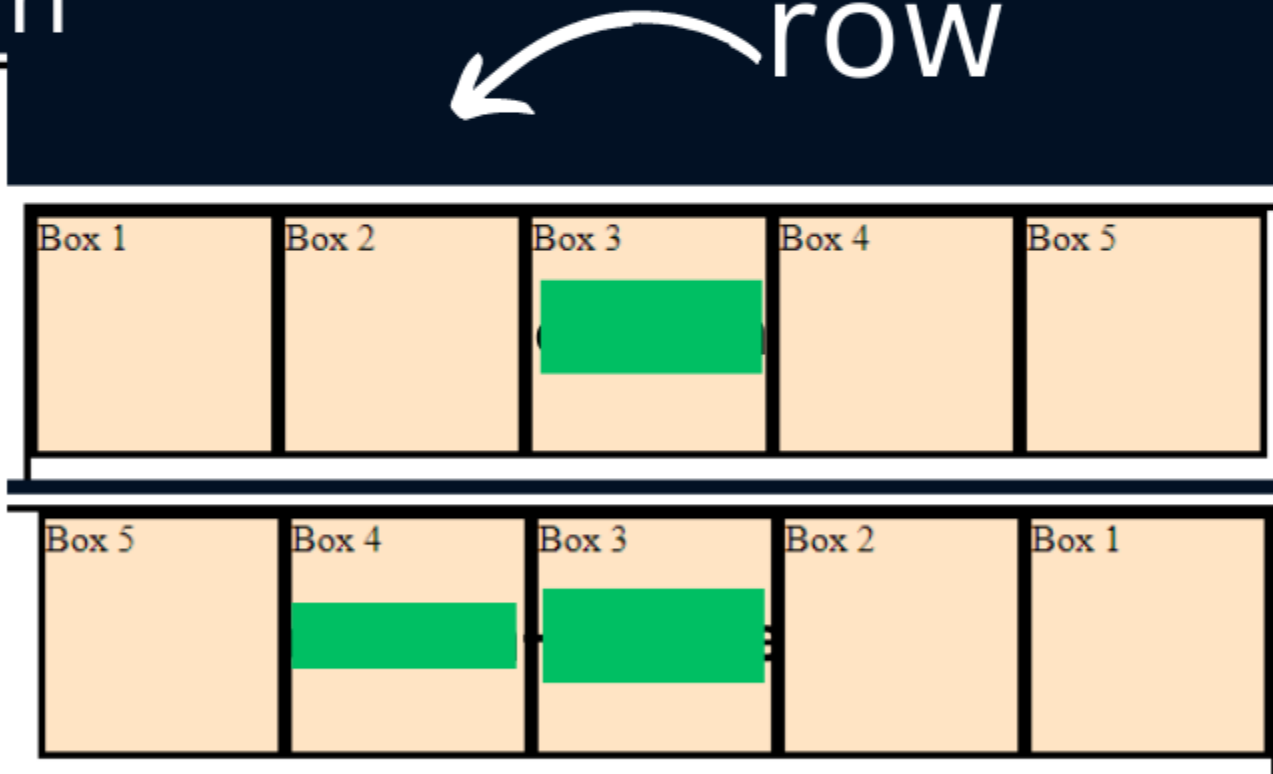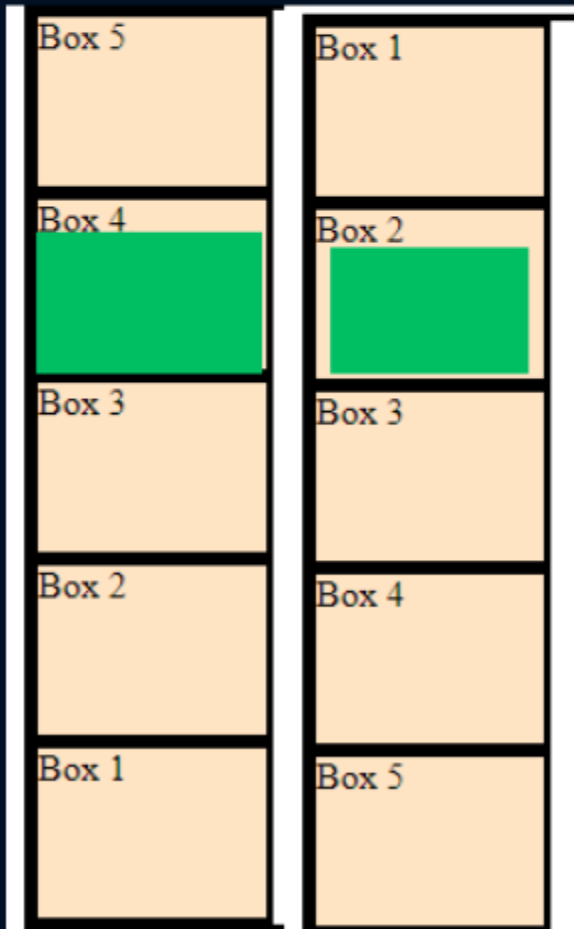
justify-content: This property is used to align flex items along the main axis of the flex container. The possible values are flex-start, flex-end, center, space-between, space-around, and space-evenly.

Flexbox properties

flex-direction: This property defines the direction in which flex items are placed within the flex container. The four possible values are row, row-reverse, column, and column-reverse.

column

| Box 5 |
| Box 4 |
| Box 3 |
| Box 2 |
| Box 1 |

| Box 1 |
| Box 2 |
| Box 3 |
| Box 4 |
| Box 5 |

row

| Box 1 | Box 2 | Box 3 | Box 4 | Box 5 |

| Box 5 | Box 4 | Box 3 | Box 2 | Box 1 |

Flexbox properties

flex-wrap: This property determines whether flex items should be forced onto a single line or allowed to wrap onto multiple lines. The possible values are nowrap, wrap, and wrap-reverse

flex-flow: is a shorthand property that combines the flex-direction and flex-wrap properties into a single declaration. It allows you to set both of these properties at once.