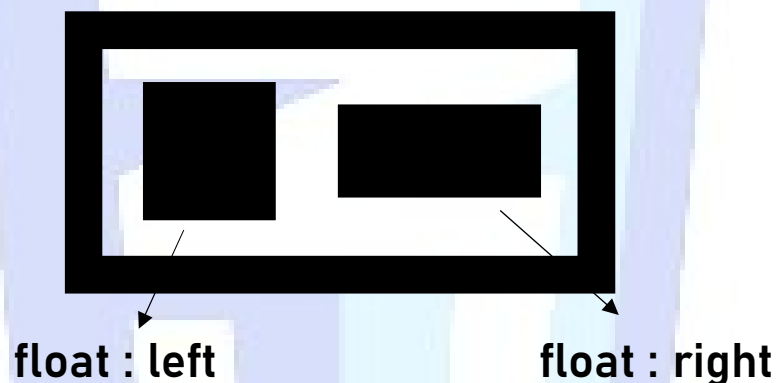


# CHAPTER 7 – FLEXBOX

Before we look into the CSS flexbox, we will look into float & clear properties.

## The Float Property

Float property is simple. It just flows the element towards left/ right



## The Clear Property

Used to clear the float. It specifies what elements can float beside a given element.

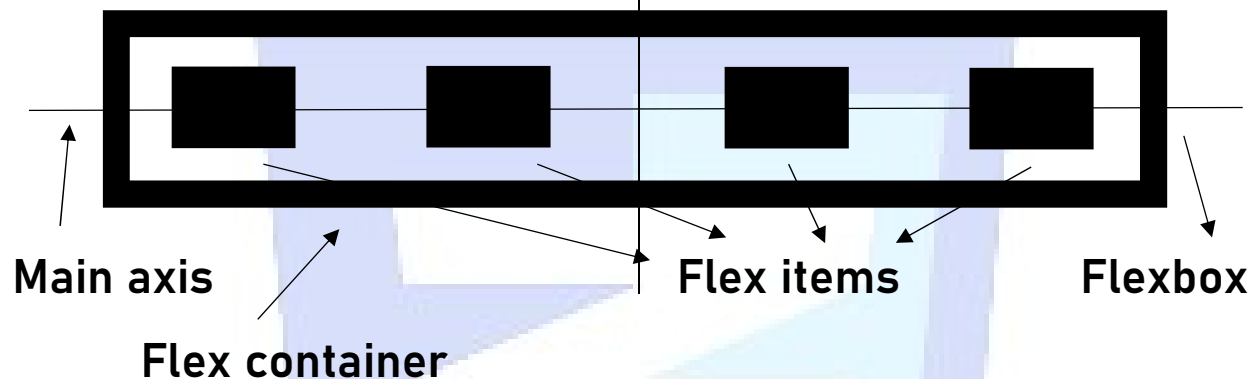
## The CSS Flexbox

Aims at providing a better way to layout, align and distribute space among items in a container.

e.g.- `.container{`

`display:flex;` → *Initialize a flexbox*

`}` cross axis → need not be always vertical



## Flex – Direction Property

Defines the direction forwards which items are laid can be row, row-reverse, column, column-reverse.

→ default

## Flex Properties for parent (Flex container)

Following are the properties for the flex parent:

1. Flex-wrap : Can be wrap, nowrap, wrap-reverse.

Wrap items as needed with this property.

2. **Justify-content** : Defines alignment along main axis.
3. **Align-items** : Defines alignment along cross axis.
4. **Align-content** : Align a flex container's lines when there is extra space in the cross axis.

## **Flex Properties for children (Flex items)**

Following are the properties for the flex children:

1. **Order** : Controls the order in which the items appear in the flex container.
2. **Align-self** : Allows default alignment to be overridden for the items.
3. **Flex-grow** : Defines the ability for a flex item to grow
4. **Flex-shrink** : Specifies how much a flex item will shrink relative to the rest of the flex items.