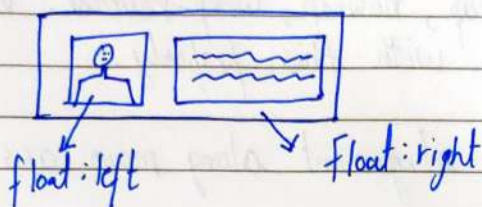# Chapter 6 - Flexbox

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

The float property

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

float: left   Float: right

The clear property

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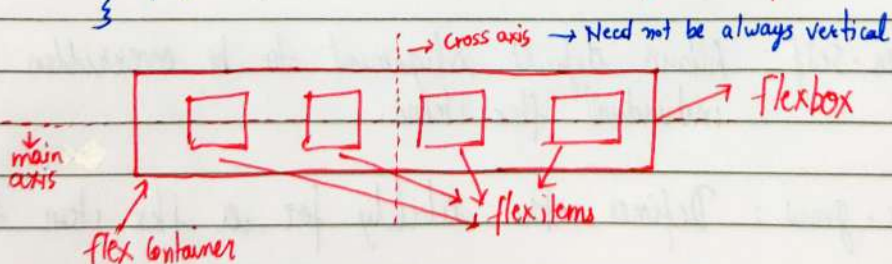
The CSS flexbox

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

· Container &
  display: flex;   ⟹ Initialize a flexbox
  3

→ cross axis → Need not be always vertical

flexbox

main axis

flex items

flex container

flex-direction property

Defines the direction towards 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: Aligns a flex Container's lines when there is extra space in the cross axis.

flex properties for the 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 individual flex 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.