



# Different flexbox property



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Flexbox offers a variety of properties to create layout efficiently. Generally we can categorise the flexbox properties into two parts–

1. Flex Container Properties
2. Flex Items Properties



# Flex Container Property

These are the properties that are used over the flex container (parent container).

Flex container properties are as follows–

- a. display
- b. flex-direction
- c. flex-wrap
- d. flex-flow
- e. justify-content
- f. align-items
- g. align-content
- h. gap
  - i. row-gap
  - ii. column-gap

# Flex Items Property

These are the properties that are used over the flex items (child elements). Flex items properties are as follows–

- a. order
- b. flex-grow
- c. flex-shrink
- d. flex-basis
- e. flex
- f. align-self



# Display property

It is used to define a flex container. After defining a flex container using `display flex` or `inline-flex`, it will enable a flex context for all its direct children and will allow users to use flex properties over the flex container and its flex items respectively.

## Difference between flex and inline-flex

The major difference between two is that the `display: inline-flex` will make the flex container display inline but will not make flex items display inline.

# Flex Direction Property

It is used to define the direction in which all the flex items should be laid out. By default the flex direction of a flex container is row to which we can change by using this property.

There can be four values of a flex direction–

1. **row**
2. **row-reverse**
3. **column**
4. **column-reverse**



# Flex Wrap Property

This property is used to define whether the flex items should wrap themselves to fit the container width or not if the total required width of flex items are more than the flex container width.

Flex wrap can have three possible values–

1. nowrap
2. wrap
3. wrap-reverse

# Flex Flow Property

It is a shorthand property for setting both flex-direction and flex-wrap properties in one line.

Syntax- flex-flow: flex-direction flex-wrap



# Justify Content Property

It is used to align the flex items along with the main axis of the container within the flexbox layout.

It can have these possible values-

1. flex-start
2. flex-end
3. center
4. space-between
5. space-around
6. space-evenly

# Align Items Property

It is used to align the flex items along with the cross axis of the container within the flexbox layout.

It can have these possible values-

1. **stretch**
2. **flex-start**
3. **flex-end**
4. **center**
5. **baseline**



# Align Content Property

This property is used to align a flex container's lines within it when there is extra space in the cross axis, similar to that of justify-content property which works on the main-axis. There should be more than one line to function the align content.

It can have these possible values-

1. stretch
2. flex-start
3. flex-end
4. center
5. space-between
6. space-around

# Gap Property

This property defines the amount of space between the rows and columns of a flex container. The gap is a shorthand property for defining the row-gap and column-gap.

## Syntax

### 1. `gap:10px;`

This is similar to `row-gap:10px` and `column-gap:10px`

### 2. `gap:10px 20px`

This is similar to `row-gap:10px` and `column-gap:20px`





▶ THANK YOU ◀