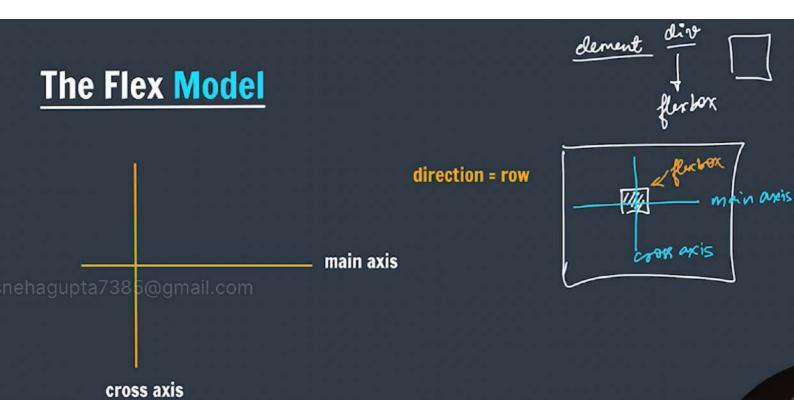
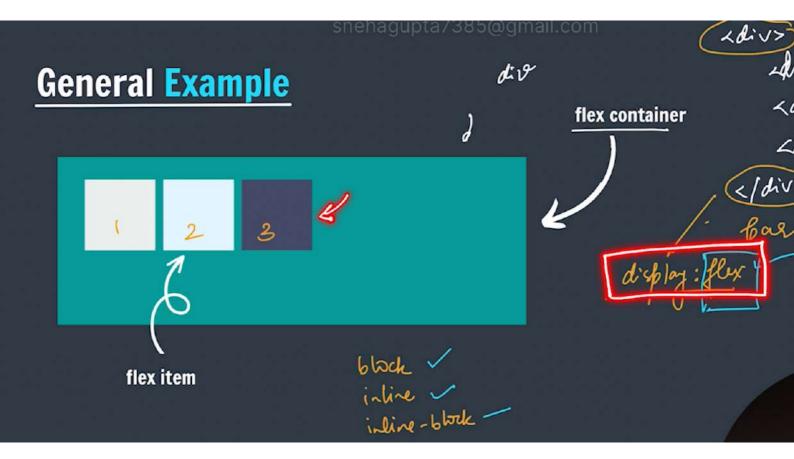


Flexible Box Layout

It is a one-dimensional layout method for arranging items in rows or columns.

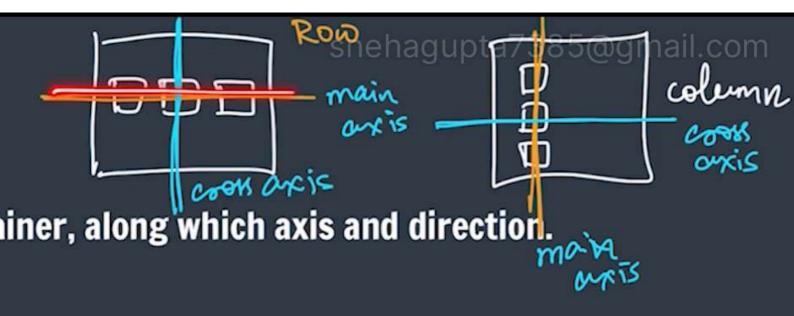




Flexbox Direction

It sets how flex items are placed in the flex container, along which axis and direction.

- flexbox-direction : row; main axis, left to right
- flexbox-direction : row-reverse; main axis, right to left
- flexbox-direction : column; cross axis, top to bottom
- flexbox-direction : column-reverse; cross axis, bottom to top







Tells how the browser distributes space between and around content items along the main-axis

• justify-content : flex-start;

• justify-content : flex-end;

• justify-content : center;

Justify Content

justify-content : space-between;

justify-content : space-around;

sne

justify-content : space-evenly;

Flex Wrap

Sets whether flex items are forced onto one line or can wrap onto multiple lines

• flex-wrap : nowrap;

flex-wrap : wrap;

• flex-wrap: wrap-reverse;

Align Items

Distributes our items along the cross axis

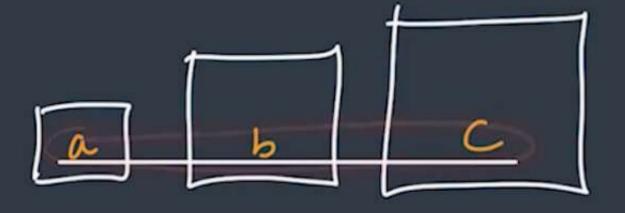
justify-content : flex-start;

justify-content : flex-end;

justify-content : center;

Align Items

justify-content : baseline;



Align Content <

it sets the distribution of space between and around content items along a flexbox's cross-axis

- align-content : flex-start / flex-end / center
- align-content : space-between I space-around I evenly
- align-content : baseline;

Align Self

Aligns an item along the cross axis

align-self : flex-start;

align-self: flex-end;

align-self : center;

align-self : baseline;

Align Self individual align items (groups)

align self > attpittest

Flex Sizing

• flex-basis

It sets the initial main size of a flex item.

flex-basis: 100px;

DDF extra
space

grow

shrink

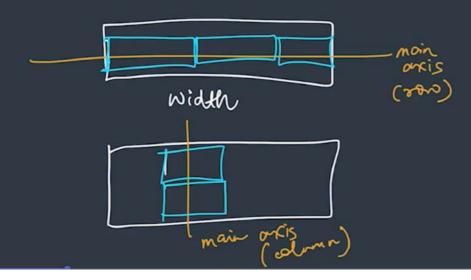
Flex Sizing

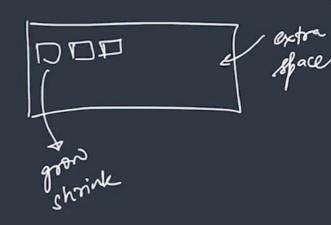
• flex-basis

CSS

It sets the initial main size of a flex item.

flex-basis: 100px;





Flex Sizing

• flex-grow

It specifies how much of the flex container's remaining space should be assigned to the flex item's main size

snehagupta7385@gmail.com

flex-grow: 1 (afaut)



• flex-shrink <

It sets the flex shrink factor of a flex item.

flex-shrink: 1

Flex Shorthand

flex-grow | flex-shrink | flex-basis

flex : 2 2 100px;

flex-grow | flex-basis

flex: 2 100px;

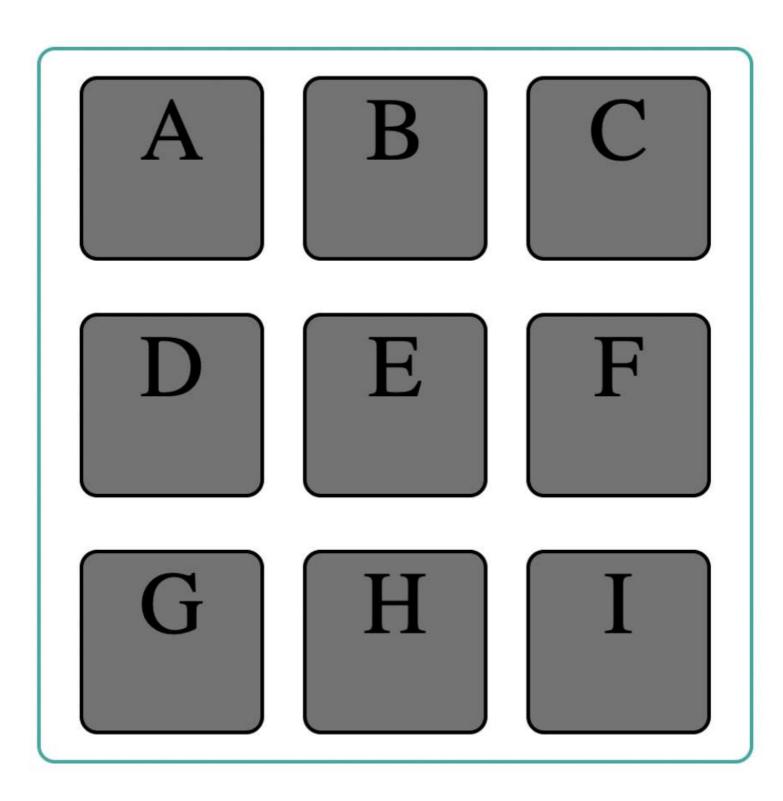
flex-grow (unitless)

flex : 2;

flex-basis

flex: 100px;

Qs. Re-create the following layout using flexbox as closely as possible :



- Take the container height & width as 400px & child height & width as 100px.
- Font size of text as 50px.

Qs. Re-create the following layout using flexbox as closely as possible :

logo Home About Contact

- Take the container height & width as(50px, 900px) & child height & width as (50px, 80px).
- Use font-size as 24px

Qs. Try solving a few Flexbox based games here:

https://codingfantasy.com/games/flexboxadventure

CSS (Part 5)

Practice Solutions

Answers

HTML Code

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=edge" />
<meta name="viewport" content="width=device-width,</pre>
initial-scale=1.0" />
<title>CSS Assignment</title>
<link rel="stylesheet" href="style.css" />
</head>
<body>
<div id="container">
<div class="box">A</div>
<div class="box">B</div>
<div class="box">C</div>
<div class="box">D</div>
<div class="box">E</div>
<div class="box">F</div>
<div class="box">G</div>
<div class="box">H</div>
<div class="box">I</div>
```

```
</div>
<br>
<br/>
<div id="navbar">
<div class="option">logo</div>
<div class="option">Home</div>
<div class="option">About</div>
<div class="option">Contact</div>
<div class="option">Contact</div>
</div>
</div>
</html>
```

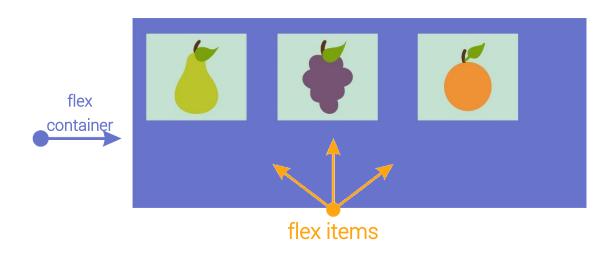
CSS Code

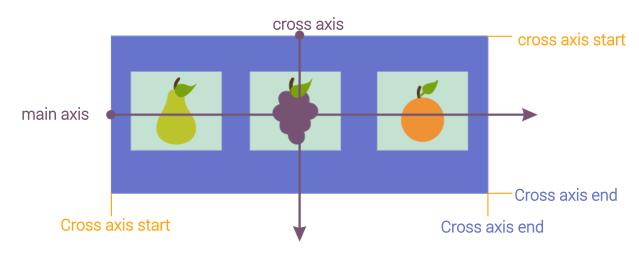
```
/* Ans 1 */
#container {
height: 400px;
width: 400px;
background-color: white;
border: 2px solid lightseagreen;
border-radius: 10px;
display: flex;
flex-wrap: wrap;
justify-content: space-evenly;
align-items: center;
.box {
height: 100px;
width: 100px;
```

```
background-color: grey;
border: 2px solid black;
border-radius: 10px;
font-size: 50px;
text-align: center;
/* Ans 2 */
#navbar {
height: 50px;
width: 900px;
background-color: pink;
border: 2px solid lightseagreen;
border-radius: 10px;
display: flex;
justify-content: flex-start;
align-content: center;
.option {
height: 50px;
width: 80px;
border-radius: 10px;
margin-left: 5px;
font-size: 24px;
line-height: 50px;
```



Flexbox Cheatsheet Cheatsheet





To activate powers

display: flex; on flex container

Do you want rows or columns?



flex-direction: row; on container

flex-direction: column; on container



flex-direction: row-reverse; on container

OR

flex-direction: column-reverse: on container

Do you want these items located at the beginning of the main axis?



YES, beginning

OK, default value has you covered.



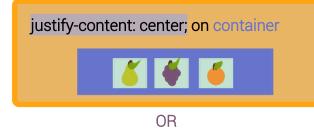


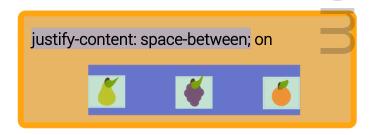
NO, other

OK, use one of these



OR







OR justify-content: space-around; on container



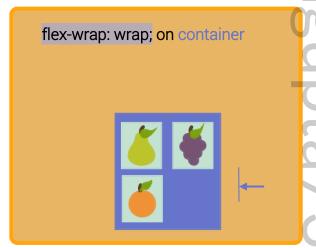
Do you want the items on one line or to move to another when adjusting viewport?



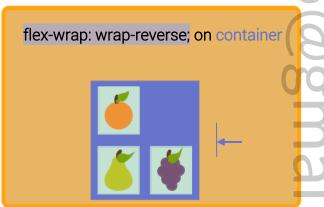
OK, default value has you covered.







OR



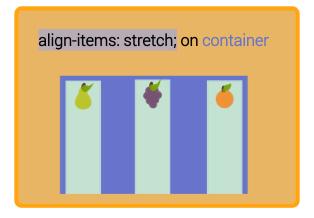
How do you want these items laid out on the cross axis?



COM



OK, default value has you covered.







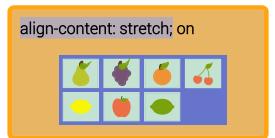
If you have multiple lines of content, how do you want this aligned?



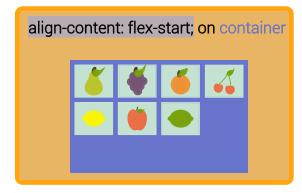
stretched

not stretched

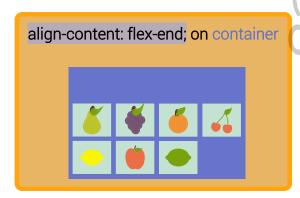
OK, default value has you covered.



OK, use one of these:



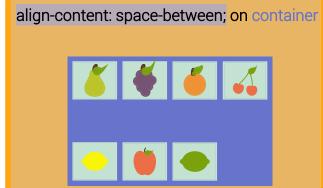
OR



OR







align-content: space-around; on container



Do you want to change the order of the items?



Awesome, don't do anything.

That was easy.

OK, use these:

order: <whole number>; on item

Do you need some items to grow if necessary?



Awesome, don't do anything. That was easy.

OK, use these:

Flex-grow: <whole number>; on item

Do any of these items need to be aligned differently than the others?



OK, you're done. That was super easy.

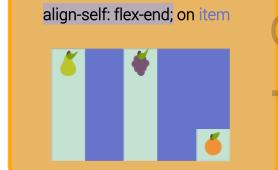
OK, use these:



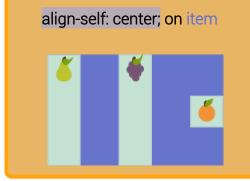




OR



OR



OR

align-self: baseline; on item

OR

align-self: stretch; on item