

## flexbox

style

Date: .....  
Page No: .....

→ It deals with layout in one dimension at a time - either as a row or a column.

```
<div class = " flex-container ">
```

```
<div>1</div>
```

```
<div>2</div>
```

```
<div>3</div>
```

```
</div>
```



so, this is a flex container with 3 flex-items

first you need to define a flex-container

```
.flex-container {
```

display: flex or inline-flex

It will take complete available width like block elements

It will take only the required width like inline elements

Normal

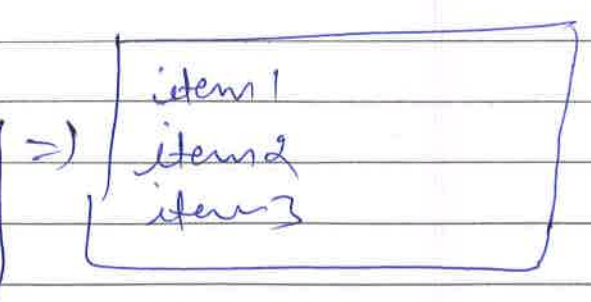
```
<div>
```

```
<div> item1 </div>
```

```
_____ 2 _____
```

```
_____ 3 _____
```

```
</div>
```





# display: flex

```

<div class = "flex-container">
  <div> item 1 </div>
  <div> item 2 </div>
  <div> item 3 </div>
</div>
  
```

→ • flex-container {

display: flex;

o/p →

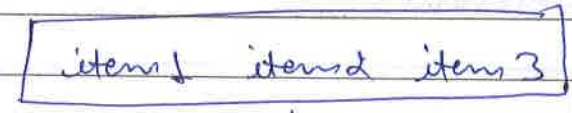


takes complete available width

→ • flex-container {

display: inline-flex;

o/p:-



Takes only required width

## Properties related to

flex-container →

- flex-direction
- flex-wrap
- align-items
- justify-content

flex-item →

- order
- align-self

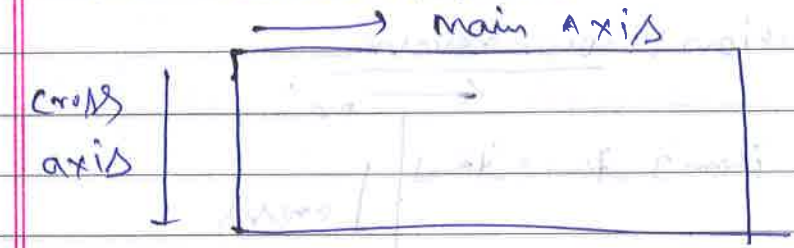
①

## flex-direction

- row (default)
- row-reverse
- column
- column-reverse

✳

flex-direction: row



```

<div class = "flex-container">
  <div> item 1 </div>
  <div> item 2 </div>
  <div> item 3 </div>
</div>
  
```



• flex-container {

display: flex

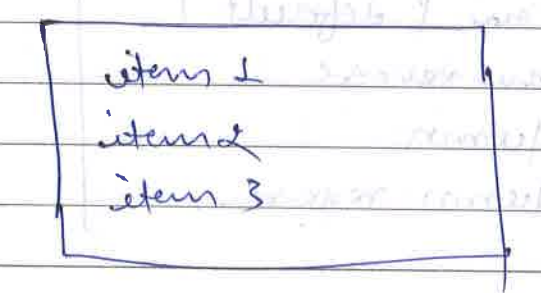
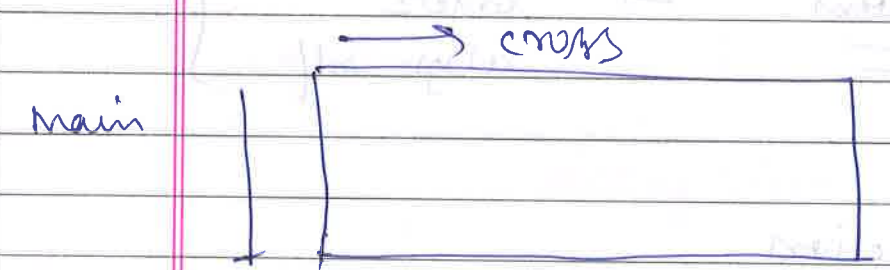
flex-direction: row (default)



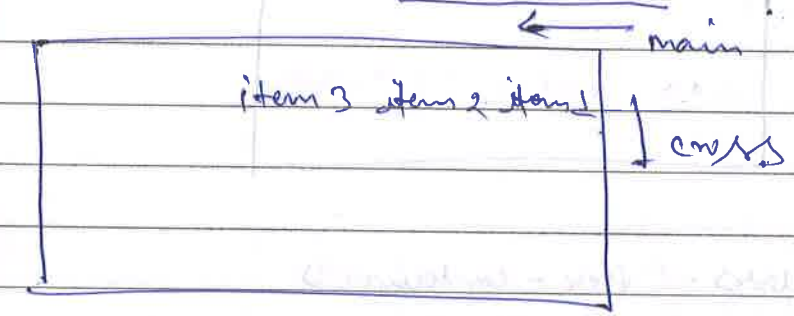
\* Flex-direction: Column

• Flex-container {

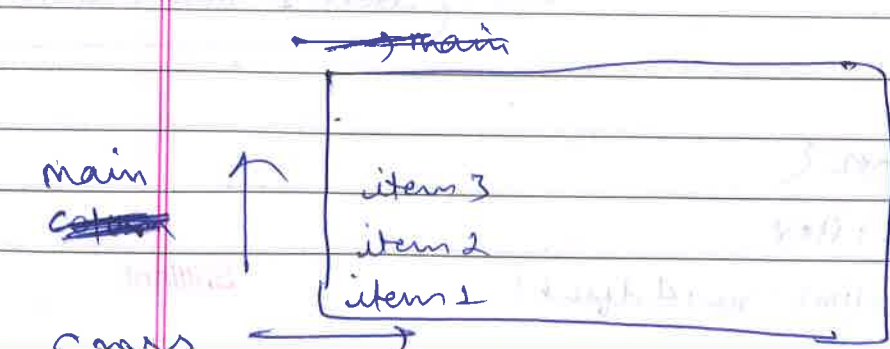
display: flex  
flex-direction: column;



\* Flex-direction: row-reverse



\* Flex-direction: column-reverse



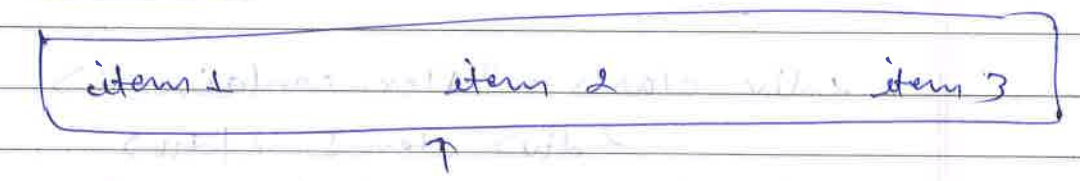
② Flex-wrap default value: no

flex-wrap {  
no  
wrap

```
<div class="flex-container">  
  <div style="width: 300px"> item 1 </div>  
  _____ 2 _____  
  _____ 3 _____
```

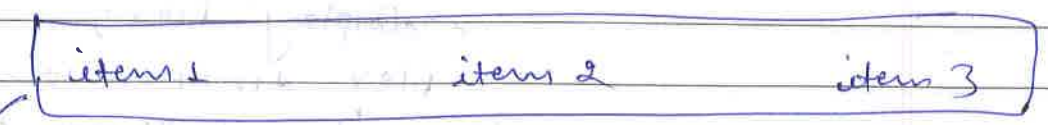
```
</div>  
  
• flex-container {  
  display: flex  
  flex-direction: row ← default  
  flex-wrap: wrap;  
}
```

with no-wrap



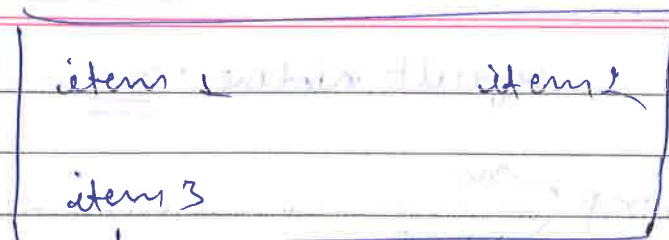
It will be like this only even on decreasing viewport size

with wraps



on small size screen, it will wrap such that it will occupy 300px.





This has been wrapped because it need 300px width.

③ align-items :- To <sup>align</sup>~~align~~ all the flex items along cross axis

- stretch
- stretch → (default)
  - flex-start → at the start of cross axis
  - flex-end → at the end of cross axis
  - center → at the center of cross axis

<div class = "flex-container">

<div> item1 </div>

2

3

</div>

• flex-container <

display: flex;

flex-direction: row - default

align-items | stretch (default)

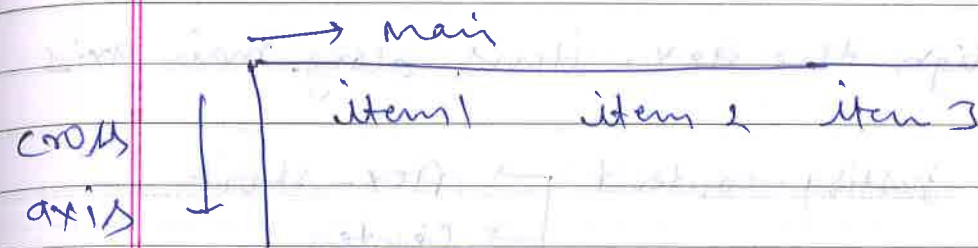
flex-start

flex-end

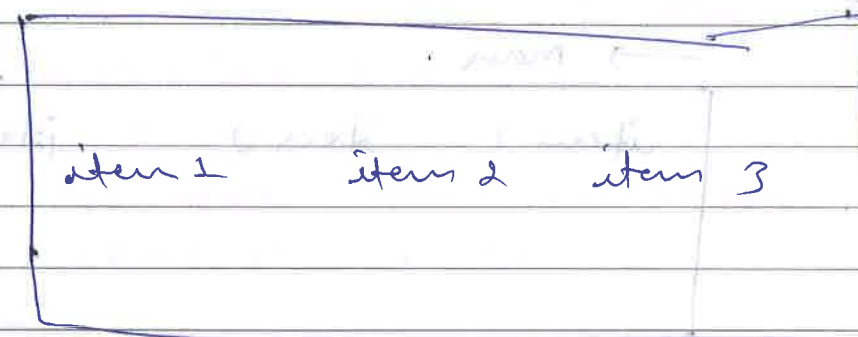
center

width: 200px

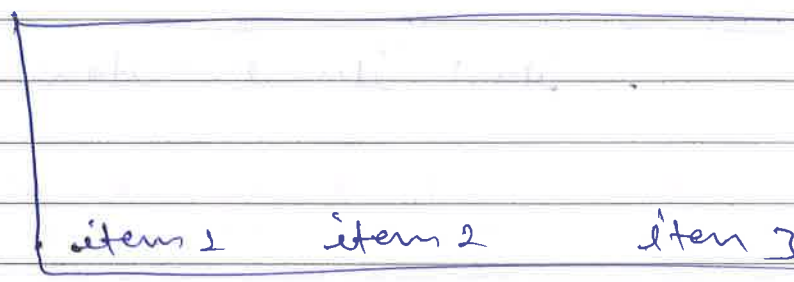
→ align-items : flex-start



→ align-items : center



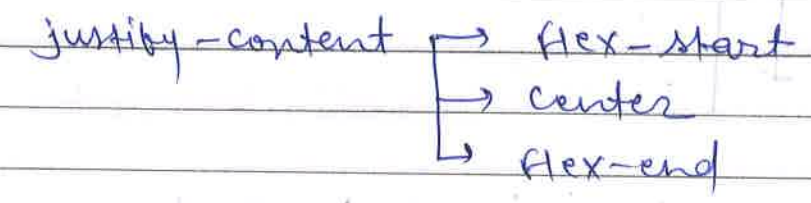
→ align-items : flex-end



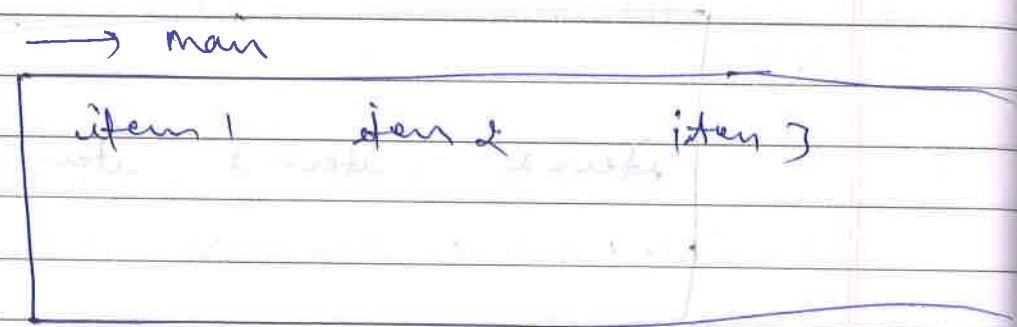


#### ④ justify-content :-

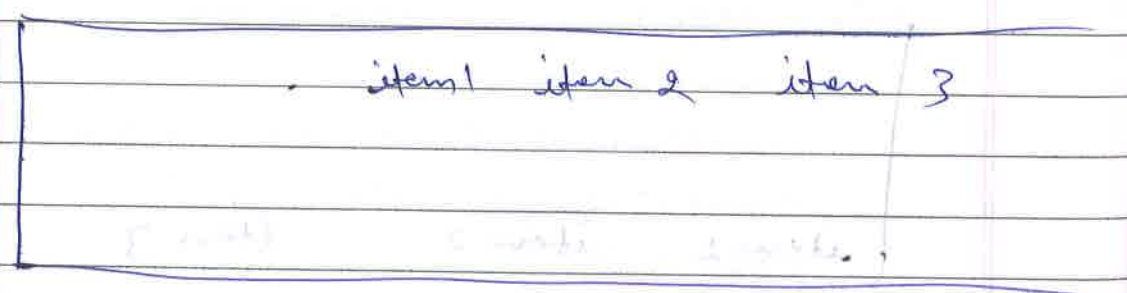
• To align the flex-items along main axis



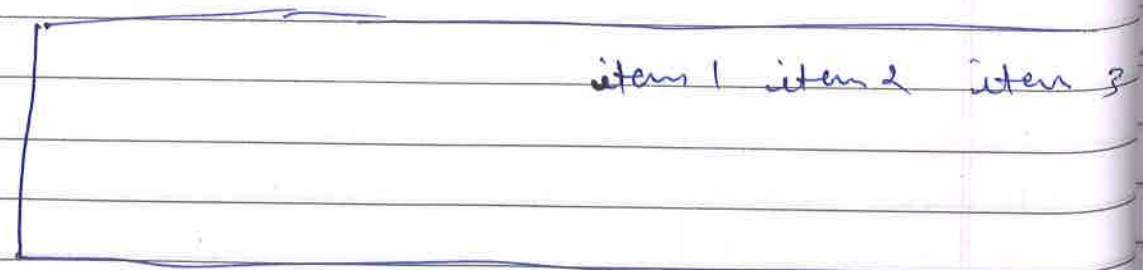
##### flex-start



##### center



##### flex-end



#### \* properties of flex-items :-

① order → default value is 0

② align-self

##### ① order

```
<div class = "flex-container">
```

```
<div style = "order : 2"> Item 1 </div>
```

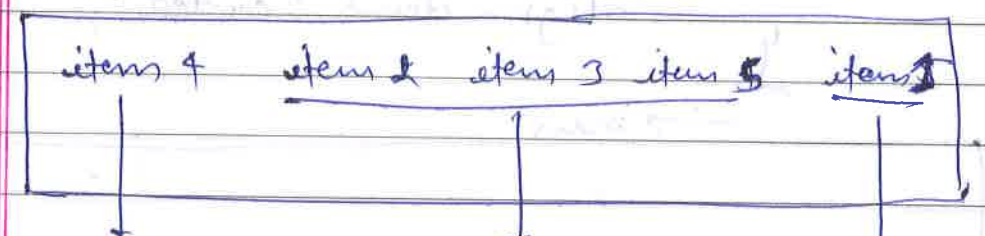
```
<div> Item 2 </div>
```

```
<div style = "order : -5"> Item 4 </div>
```

```
<div> item 5 </div>
```

• flex-container {  
display : flex;  
display-direction :

##### row

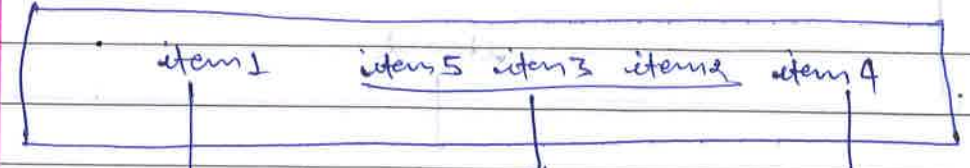


order = -5

order = 0

order = +2

##### row-reverse



+ve

0

-ve

Brilliant



②

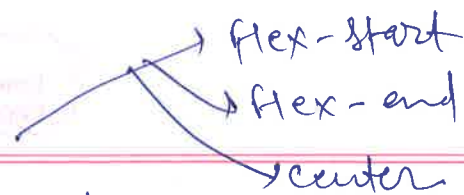
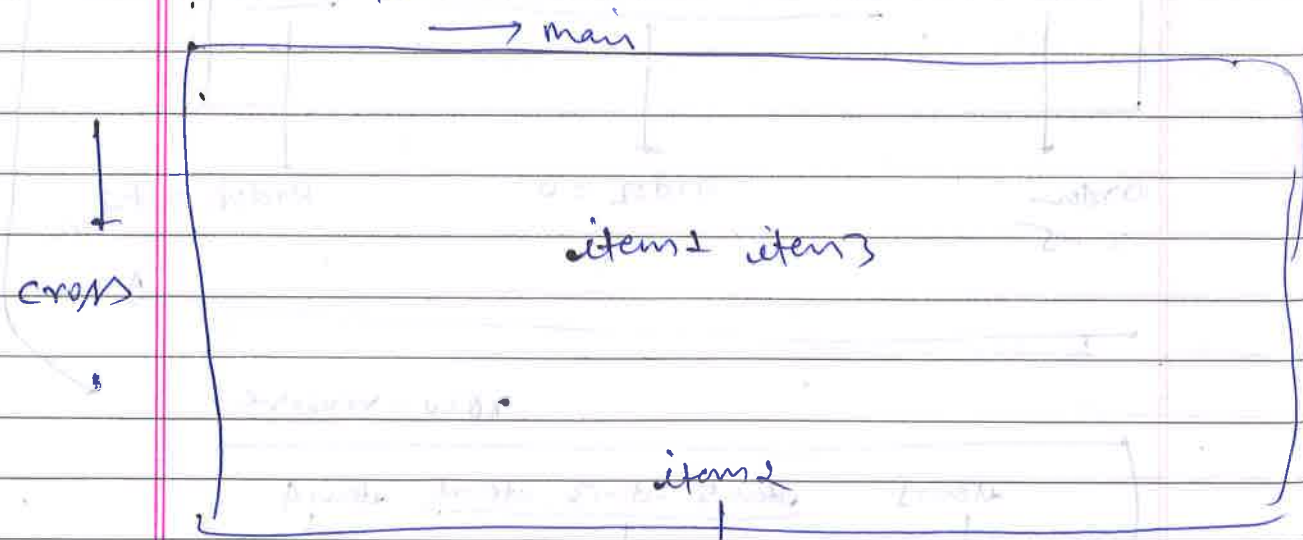
align-self:-

• used to align any flex-item along cross axis

• It will override align-items property if it is there

```
<div class = "flex-container">
  <div> Item 1 </div>
  <div style = "align-self: flex-end">
    Item 2 </div>
  <div> Item 3 </div>
</div>
```

• flex-container {  
 height: 500px;  
 display: flex;  
 flex-direction: row;  
 align-items: center;

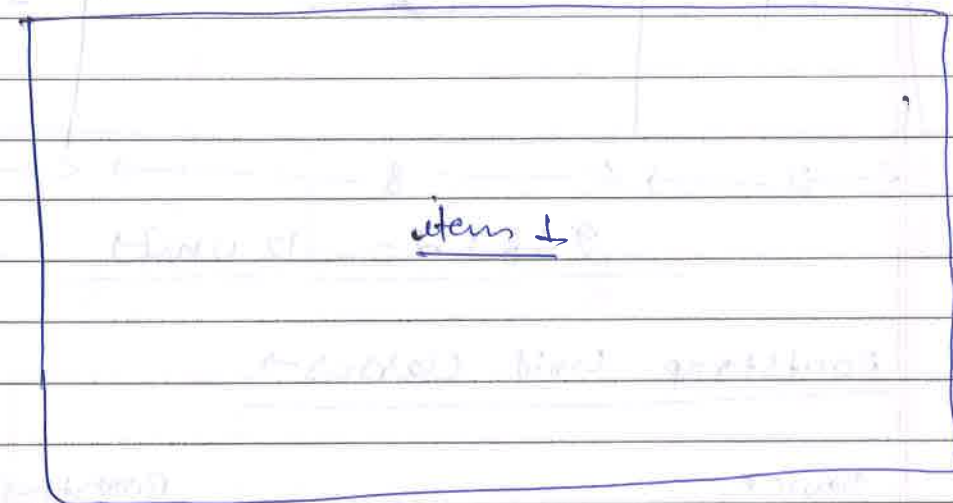


→ one imp interview question:-

How to perfectly center an item

```
<div class = "flex-container">
  <div> Item </div>
</div>
```

• flex-container {  
 height: 500px;  
 display: flex;  
 align-items: center;  
 justify-content: center;



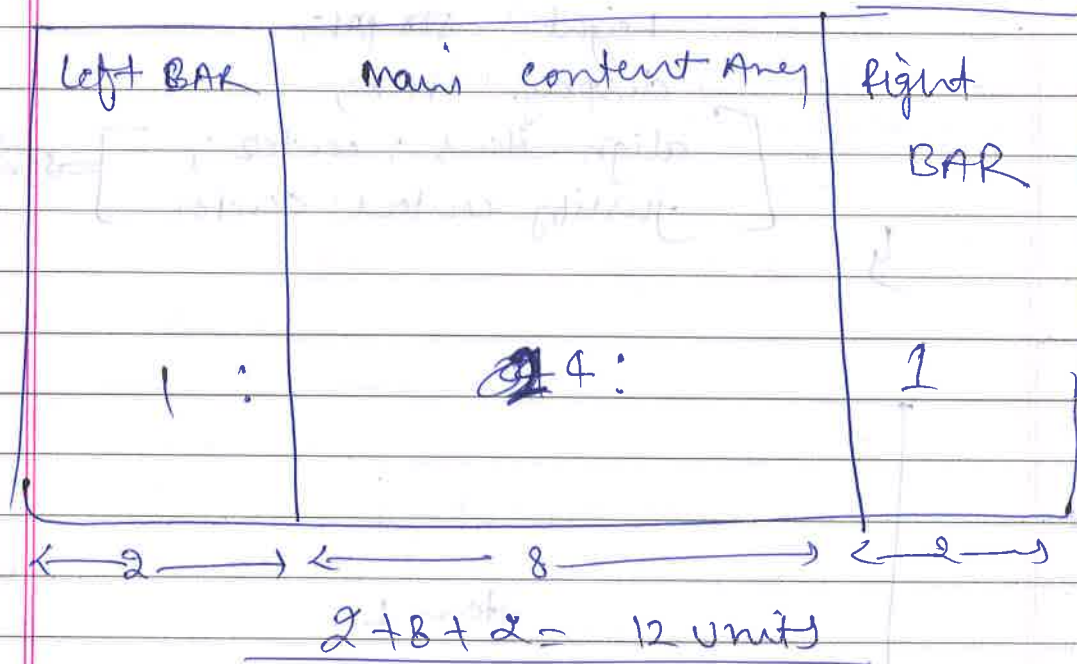


Bootstrap - Grid System

→ Used for creating page layout through a series of rows and columns.

→ This grid <sup>system</sup> consist of 12 columns.

Ex. 2-column layout → using this grid system



→ Bootstrap Grid classes

Device	Bootstrap class
Extra small devices → mobile (< 768 px)	.col-xs-*
Small devices → tablets (≥ 768 px)	.col-sm-*
Medium devices - Desktop → (≥ 992 px)	.col-md-*
Large device → (≥ 1200 px)	.col-lg-*

→ \* → मतलब है कि हमें columns चाहिए  
जैसे example में हम एक row में तीन column बनाएंगे

```

<div class="Container">
  <div class="row">
    <div class="col-md-2">Left side Bar</div>
    <div class="col-md-8">main content</div>
    <div class="col-md-2">Right</div>
  </div>
</div>

```

\* अगर एक row में हम 13 use करेंगे instead of 12 तो last wala column new line में wrap हो जायेगा

Ex.  
2

