

Using Angular2 ngFor index

I have this code:

29

```
<div class="row list-group">
  <div *ngFor="let product of products" >
    <app-product [product]="product"></app-product>
  </div>
</div>
```



4

I was wondering is there any way i can get products from array in buckets? Something like this:

```
<div class="list-group">
  <div *ngFor="products; index+3" >
    <div class="row">
      <app-product [product]="products[index]"></app-product>
      <app-product [product]="products[index+1]"></app-product>
      <app-product [product]="products[index+2]"></app-product>
    </div>
  </div>
</div>
```

That way I could have all elements i need in a row

UPD

Thanks to Teddy Sterne I ended up with this solution:

```
<div class="list-group">
  <div *ngFor="let product of products;let i = index">
    <div class="row" *ngIf="i%3===0">
      <app-product [product]="products[i]"></app-product>
    <div *ngIf="products[i + 1]">
      <app-product [product]="products[i + 1]"></app-product>
    </div>
  </div>
</div>
```

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

html

loops



angular

indexing

edited Mar 29 '17 at 14:10

asked Mar 29 '17 at 12:39



Константин Токарев

165 1 2 8

For anyone trying to display a variable number of objects in a grid, you may want to look into mat-grid: material.angular.io/components/grid-list/overview. (If the site doesn't load, try it in a new incognito window.) – [HammerN'Songs](#) Aug 16 '18 at 16:24

3 Answers



49



Angular does not provide this functionality out of the box. I think that the simplest way to achieve the desired result is to only display data on every third index like so:

```
<div class="list-group">
  <div *ngFor="let p of products; let idx = index" >
    <div class="row" *ngIf="idx % 3 === 0">
      <app-product [product]="products[idx]"></app-product>
      <app-product [product]="products[idx+1]"></app-product>
      <app-product [product]="products[idx+2]"></app-product>
    </div>
  </div>
</div>
```

Demo

edited Jul 16 '18 at 12:05

answered Mar 29 '17 at 12:46



Teddy Sterne

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at 12:53 

@TeddySterne just a quick FYI, the DEMO link is not working. – [Raman Sahasi](#) Jul 6 '18 at 13:14 

▲ For index try this:

4

Controller File add function :

▼

```
chunks(array, size) {  
  let results = [];  
  while (array.length) {  
    results.push(array.splice(0, size));  
  }  
  return results;  
};
```

In you view file :

```
<div *ngFor="let chunkProduct of chunks(products,3);" >  
  <div class="row">  
    <app-product *ngFor="let product of chunkProduct" [product]="product"></app-product>  
  </div>  
</div>
```

This will work for all number , not only %3 numbers.

@Teddy Sterne's solution will work incase of the number is %3 If we have 8 products it will show only 6 last 2 will be lost , in this it will also be shown.

And it will create extra blank div tags for not %3 index , if you inspect the element and check , because it will loop through each product and div will get repeated no matter if its index %3 or not.

edited Mar 29 '17 at 13:50

answered Mar 29 '17 at 12:44

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Try this one, tested and working fine – [Vivek Doshi](#) Mar 29 '17 at 12:51

@VivekDoshi suppose `products` length is 6. What will happen to the last statement when index is 5? – [eko](#) Mar 29 '17 at 12:52

It's broken. If the length is 2 it will try access index `1*3==3`, which is clearly out of bounds. – [Matthias247](#) Mar 29 '17 at 12:58

okay got your point , edited the answer – [Vivek Doshi](#) Mar 29 '17 at 12:58

Thanks Teddy Sterne for his answer.

1

Here's how it helped me to create a calendar control having 7 cells in a row

```
<div class="container-fluid">
  <table class="table table-bordered">
    <ng-container *ngFor="let d of data; let i = index" >
      <tr *ngIf="i % 7 === 0">
        <td *ngFor="let x of [i,i+1,i+2,i+3,i+4,i+5,i+6]">
          {{data[x]}}
        </td>
      </tr>
    </ng-container>
  </table>
</div>
```

[DEMO](#)

<https://stackblitz.com/edit/angular-1nhor2?embed=1&file=src/app/app.component.html>

edited Dec 18 '18 at 13:30



[TrebledJ](#)

5,415 4 14 35

answered Dec 18 '18 at 12:55



[purvin](#)

11 4

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