

# get index of row in angular material table v5

Asked 1 year, 4 months ago   Active 22 days ago   Viewed 17k times



I'm trying to get the index of row in table, in html, which has been implemented using angular material v5.2. Is there any method available to get the index?

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The code for reference:



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```
<div class="example-container mat-elevation-z8">
  <div class="example-header">
    <mat-form-field>
      <input matInput (keyup)="applyFilter($event.target.value)" placeholder="Filter">
    </mat-form-field>
  </div>

  <mat-table #table [dataSource]="dataSource">

    <!-- Position Column -->
    <ng-container matColumnDef="position">
      <mat-header-cell *matHeaderCellDef> No. </mat-header-cell>
      <mat-cell *matCellDef="let element"> {{element.position}} </mat-cell>
    </ng-container>

    <!-- Name Column -->
    <ng-container matColumnDef="name">
      <button (click)="doSomething()"> Do something</button>
    </ng-container>

    <mat-header-row *matHeaderRowDef="displayedColumns"></mat-header-row>
    <mat-row *matRowDef="let row; columns: displayedColumns;"></mat-row>
  </mat-table>
</div>
```

The method doSomething is what needs index.

Any help would be greatly appreciated.

 angular angular-material-5

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## 5 Answers

▲ Using indexOf is an enormous waste of resources. The right way is initializing a variable with index's value, like this:

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```
<ng-container matColumnDef="position">
  <th mat-header-cell *matHeaderCellDef mat-sort-header> Num. </th>
  <td mat-cell *matCellDef="let element; let i = index">{{i}}</td>
</ng-container>
```

<https://material.angular.io/components/table/examples>

edited Jul 4 at 1:52



jmorc

434

3

14

answered May 24 '18 at 21:45



user3891850

461

4

15

seems like a good idea.... Let me try if this works out... – Shivi May 29 '18 at 9:27

1 This is the right way to do it. If you're not using the anything from your dataSource in this column (e.g. element ), you don't need to declare it. You can just do <td mat-cell \*matCellDef="let i = index">{{i}}</td> – dnc253 Jun 28 '18 at 15:57

Needs to be accepted as the answer. – prolink007 Sep 10 '18 at 17:05

Tried in angular6 with same but each row showing 0 – ni3.net Dec 12 '18 at 19:57

1 One thing that baffles me is why on earth is half the answer in French? – icguy Apr 25 at 11:53



You can use the filteredData property of your dataSource , like this:

9

```
<ng-container matColumnDef="weight">
  <th mat-header-cell *matHeaderCellDef> Header</th>
```

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[Demo](#)

With the @user3891850 solution( `let i = index;` ), in case of pagination, the index will be the index in this page and not in the global object so you must be careful in case of pagination. [example](#)

edited Apr 4 at 9:29



hakimovic

130 5

answered May 11 '18 at 12:43



bugs

6,754 5 14 32

This works `{{dataSource.filteredData.indexOf(element)}}` – [Akitha\\_MJ](#) Dec 24 '18 at 12:02

That's great, I used `{{dataSource.filteredData.indexOf(element)+1}}` to avoid the value 0. Thank u!! – [Diana Ysabel](#) Dec 28 '18 at 5:46

Yeah, I'm surprised why all of them are ok with using index. Don't they use pagination... This is what we really need for paginated mat table.. – [Shree Krishna](#) Jun 17 at 17:06

In case you run into this issue and you are using a `paginator` the index you get here:

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```
<td mat-cell *matCellDef="let element; let i = index">{{i}}</td>
```

will be the current index displayed on the table. For instance, if you are on page 2 and your page size is 5, then the first index of the table will be 0 and not 5 (or the 6th item). So what you can do to get the true index is something like this:

```
index =
  this.paginator.pageIndex > 0
    ? index + this.paginator.pageIndex * this.paginator.pageSize
    : index;
```

If the paginator is on page one, index doesn't change. Otherwise multiply the `pageIndex` by the `pageSize` and add it to the index.

answered May 10 at 19:12



mariogarcia

71 4

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1



I know this post is old but the above solution didn't work for me. instead if `let i = index;` try `let i = dataIndex` for latest version of mat-table check [this solution](#). Don't know if it's just for expandable table though

answered Aug 24 at 19:37



cozmik05

112 8



0



I searched a lot, but for my case "indexOf" scenario doesn't work properly then I found this [answer](#), and it does exactly what I need.

```
let i = index;  
i + (paginator.pageIndex * paginator.pageSize);
```

edited Aug 20 at 9:07



Vaibhav Vishal

2,305 5 16 28

answered Aug 20 at 8:59



Fes9L

21 1