# Cannot read property 'filter' of undefined

Asked 2 years, 8 months ago    Active 1 year, 1 month ago    Viewed 39k times

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I'm getting an error as follows:

```
Cannot read property 'filter' of undefined.
```

Component template:

```html
<input #input placeholder="Search" id="search">
<div class="item" *ngFor="let item of data | searchPipe: input.value">
  {{item}}
</div>
```

Pipe code:

```typescript
@Pipe({
  name: 'searchPipe',
  pure: false
})
export class SearchPipe implements PipeTransform {
  transform(data: any[], searchTerm: string): any[] {
    searchTerm = searchTerm.toUpperCase();
    return data.filter(item => {
      return item.toUpperCase().indexOf(searchTerm) !== -1
    });
  }
}
```

What causes the error?

angular    typescript

edited Aug 31 '18 at 3:11           asked Feb 2 '17 at 1:23

**Edric**              **Sajeetharan**

**10.1k**    7    40    55       **142k**    34    212    269

## 2 Answers

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Since the incoming data was `null` and the `filter` method was expecting data, thus, this caused the error.

Here's a working implementation:

```
transform(items: any[], filterQuery: any): any[] {
  if (!filterQuery) return items;
  return items.filter(item =>
item.whateverProperty.toLowerCase().includes(filterQuery.toLowerCase()));
}
```

edited Aug 31 '18 at 3:09         answered May 11 '17 at 17:21

**Edric**              **Shandilya**

**10.1k**    7    40    55       **135**    2    6

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Try this:

```
export class SearchPipe implements PipeTransform {
  transform(data: any[], searchTerm: string): any[] {
    if(!data) return [];
    searchTerm = searchTerm.toUpperCase();
    return data.filter(item => {
      return item.toUpperCase().indexOf(searchTerm) !== -1
    });
  }
}
```

answered Feb 2 '17 at 1:50

**Shalom Peles**