

Using pipe component

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9:55 AM

Scenario - we have very long text in summary of blog and we need to truncate.

Note: The Pipe function should be stateless. That is, it should process and input to provide an output. But it shouldn't store or remember anything.

ng generate pipe truncate

```
import { Pipe, PipeTransform } from '@angular/core';
@Pipe({
  name: 'truncate'
})
export class TruncatePipe implements PipeTransform {
  transform(value: any, args?: any): any {
    const limit = args.length > 0 ? parseInt(args[0], 10) : 20;
    const trail = args.length > 1 ? args[1] : '...';
    return value.length > limit ? value.substring(0, limit) + trail :
    value;
  }
}
```

blog-post-tile.component.html

```
<div class="card">
  <div class="card-body">
    <h5 class="card-title">{{post.title}}</h5>
    <p class="card-text">{{post.summary |
truncate: [30]}}</p>
    <a href="#" class="btn btn-primary">Read</a>
  </div>
</div>
```

Way -2: Accessing Angular pipes from the component class

Add `providers: [TruncatePipe]`, in `app.module.ts`

blog-post-tile.component.ts

```
import { Component, OnInit, Input } from '@angular/core';
import { BlogPost } from '../blog-post';
import { TruncatePipe } from '../truncate.pipe';
@Component({
  selector: 'app-blog-post-tile',
  templateUrl: './blog-post-tile.component.html',
  styleUrls: ['./blog-post-tile.component.scss']
})
export class BlogPostTileComponent implements OnInit {
  @Input() post: BlogPost;
  fullSummary: string;
  truncatedSummary: string;
  showFullText: boolean = true;
  constructor(private truncatePipe:
TruncatePipe) {
  }
  ngOnInit() {
    this.fullSummary = this.post.summary;
    this.truncatedSummary = this.post.summary
    =
    this.truncatePipe.transform(this.post.sum
mary, 30);
  }
  showFullSummary() {
    console.log("On click");
    if(this.showFullText){
      this.post.summary = this.fullSummary;
      this.showFullText = false;
    }else{
      this.post.summary =
```

```
this.truncatedSummary;  
this.showFullText = true;  
}  
}  
}
```

blog-post-tile.component.html

```
<div class="card">  
  <div class="card-body">  
    <h5 class="card-title">{{post.title}}</h5>  
    <p class="card-text" (click)="showFullSummary()">{{post.summary}}</p>  
    <a href="#" class="btn btn-primary">Read</a>  
  </div>  
</div>
```