

## PipeDemo.component.ts

```
import { Component, OnInit } from  
'@angular/core';
```

```
@Component({  
  selector: 'app-pipedemo',  
  templateUrl: './pipedemo.component.html',  
  styleUrls: ['./pipedemo.component.css']  
})
```

```
export class PipedemoComponent  
implements OnInit {
```

```
  constructor() { }
```

```
  ngOnInit(): void {  
  }
```

```
  notifications:string[] = [];
```

```
  notificationMap: {[key:string]:string} = {
```

```
"=0": "No Missed Calls", "=1": "One Missed  
Call", "other": "# Missed Calls"
```

```
}
```

```
showMissedCalls = false;
```

```
callLog:any;
```

```
ManagerClick(){
```

```
  this.callLog = new Date();
```

```
  this.notifications.push("Call From Manager  
@ " + this.callLog.toLocaleTimeString());
```

```
}
```

```
AdminClick(){
```

```
  this.callLog = new Date();
```

```
  this.notifications.push("Call From Admin @  
" + this.callLog.toLocaleTimeString());
```

```
}
```

```
AnonymousClick(){
```

```
  this.callLog = new Date();
```

```
    this.notifications.push("Call from Unknown  
@ " + this.callLog.toLocaleTimeString());  
}  
  
ShowCalls(){  
    this.showMissedCalls =  
(this.showMissedCalls==false)?true:false;  
}  
}
```

### **Pipedemo.component.html**

```
<div class="container-fluid">  
  <h2>Plural Demo</h2>  
  <div class="btn-group">  
    <button (click)="ManagerClick()" class="btn  
btn-primary">Call From Manager</button>  
    <button (click)="AdminClick()" class="btn  
btn-success">Call from Admin</button>  
    <button (click)="AnonymousClick()"  
class="btn btn-info">Anonymous  
Call</button>
```

```
</div>
```

```
<div class="mt-4">
```

```
  <mat-icon
```

```
matBadge={{notifications.length}}>phone</mat-icon>
```

```
  <button (click)="ShowCalls()" class="btn btn-link"> {{notifications.length | i18nPlural:notificationMap }} </button>
```

```
</div>
```

```
<div class="mt-2" *ngIf="showMissedCalls">
```

```
  <h3>Missed Calls</h3>
```

```
  <ul>
```

```
    <li *ngFor="let item of notifications">
```

```
      {{item}}
```

```
    </li>
```

```
  </ul>
```

```
</div>
```

```
</div>
```

Ex: Sort Pipe

```
import { Pipe, PipeTransform } from  
'@angular/core';
```

```
@Pipe({  
  name: 'sorting'  
})
```

```
export class SortingPipe implements  
PipeTransform {
```

```
  transform(value:any[], sort:boolean){  
    if(sort==true) {  
      value.sort();  
      return value;  
    } else {
```

```
    return value;
  }
}

}
```

```
sampleValues = ["B","D","C","A"];
```

```
<h2>Sorting</h2>
```

```
<ul>
```

```
  <li *ngFor="let item of sampleValues
|sorting:true">
```

```
    {{item}}
```

```
  </li>
```

```
</ul>
```

