**EXERCISE FIVE COMPONENTS**

1. Our first component will display how many times a button was clicked.
2. Generate a component:

ng generate component counter

1. counter.component.ts: Note component’s class and selector name. Look at how the component was added into app.module.ts
2. Open counter.component.ts
3. In the CounterComponent class, initialize a variable to keep track of how many times the button was clicked.

export class CounterComponent implements OnInit {

count = 0

}

1. Add a method to the class that will increase the counter.

handleClick(){

this.count += 1

}

1. Open the template file counter.component.html.
2. Replace existing lines with code printing out the count variable and a button that runs handleClick onclick.
3. src/app/app.component.html: add the tag for the component.
4. Save, open in the browser, see that the count goes up when clicked.
5. If you are using SCSS, add a style rule for a div that has a border and such. Notice how the style for <div> tag only applies to the child component and not for the parent. This is because style rules are private to a component. They are not visible to the parent or its children.
6. app.component.html: add the component reference multiple times. In future we can loop for this kind of thing.