2. The Basics

1. index.html, js bundles.
2. @Component, selector:String, templateUrl:String
3. **@ngModule**: To convert typescript class into module.
   1. **Properties:** 
      1. **declarations[Component, Directive, Pipe]**
      2. **bootstrap[component list]:** Which components should be recognized in **index.html**
4. app.module.ts, @ngModule, properties🡺 declarations:string[], boostrap:string[], webpeck.
5. Command to generate component: ng g c servers (where servers is component name)
   1. Would create 4 files. servers.component.ts, servers.component.css, servers.component.html, servers.component.spec.ts
   2. Would also register the component in app.module.ts 🡺 @ngModule 🡺 declarations:[here]
   3. Would also create boiler-plate code inside those four files if any.
6. @Component🡺template:’templateHere’ templateUrl:’relativePathToHtml’
7. @Component🡺styles:string[ ](Inline CSS Style), styleUrls:string[](Relative Paths)
8. selector:’app-root’🡸 <app-root>, ’.app-root’ <div class=”app-root” and ’[app-root]’🡺 <div app-root>. Think of string value of selector as css selector.
9. **Data Binding**: **String Interpolation**🡺 {{expression}}, **Property Binding**: [DOMPropertyName]=”expression”, **Two-way**:[(ngModel)]=”expression”
10. **Event Binding**: (domEventName)=”expression”
11. import { FormsModule } from '@angular/forms'; to enable ngModel directive. Imports:[FormsModule] in app.module.ts
12. Two way data binding [(ngModel)]=”serverName”
13. **@Directive,** \*ngIf=”booleanExpression” structural directive.
14. <p \*ngIf=”booleanExpression; else templateVariable”></p> <ng-template #templateVariable>
15. <div [ngStyle]=”{backgroundColor: getColor()}” or <div [ngStyle]=”{‘background-color’:getColor()}”🡺 ngStyle is directive and the property of this directive too.
16. <p [ngClass]=”{cssClass: booleanExpression}”>…</p>🡸 ngClass is directive as well as the property of this directive.
17. <app-server \*ngFor=”let server of servers”></app-server>
18. <div \*ngFor=”let log of logs; let i = index”><div>: Aliasing index with i

3. Course Project - The Basics