**Tour of Heroes**

**Sunday [18-06-2023]**

**Create new Angular project with CLI:**

The command is *“ng new angular-tour-of-heroes”*

**Run the Application and view in browser with CLI:**

The command is *“ng serve --open”*

**Create Angular Component:**

We can create angular component with the help of CLI. Component encapsulate HTML, CSS, and typescript file. The command is *“ng generate component component-Name”*

**Format with the UppercasePipe:**

We can format a string to upper case with the help of using UppercasePipe. For example

*“<h2>{{hero.name | uppercase}} Details</h2>”*

**Two-way binding:**

With the help of two-way binding, we can load the live data from the component typescript class to the HTML file. For example

*“<input id="name" [(ngModel)]="name" placeholder="name">”*

Here we are storing the data in the name variable.

**Display list with the help of \*ngFor:**

It's point is to repeat a given HTML template once for each value in an array, each time passing it the array value as context for string interpolation or binding. For example

*“*

*<li \*ngFor="let hero of heroes">*

*<button>*

*<span class="badge">{{hero.id}}</span>*

*<span class="name">{{hero.name}}</span>*

*</button>*

*</li>*

*”*

**Display with the help of condition using \*ngIf:**

*“<div \*ngIf="selectedHero">*

*<h2>{{selectedHero.name | uppercase}} Details</h2>*

*<div>id: {{selectedHero.id}}</div>*

*</div>*

*”*

**Use of @Input decorator:**

We use @Input decorator to make a property available for binding by the external Component.

**Use of Service class:**

Service class helps to get data in an asynchronous signature with the help of the service class method.