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| app.module.ts  **import** { BrowserModule } **from** '@angular/platform-browser'; **import** { NgModule } **from** '@angular/core'; **import** { FormsModule } **from** '@angular/forms'; // <-- NgModel lives here  **import { AppComponent } from './app.component'; import { HeroesComponent } from './heroes/heroes.component';**  @NgModule({  declarations: [  AppComponent,  HeroesComponent  ],  imports: [  BrowserModule,  FormsModule  ],  providers: [],  bootstrap: [AppComponent] }) **export class** AppModule { }  heroes.component.ts  **import** { Component, OnInit } **from** '@angular/core'; **import** { Hero } **from** '../hero';  @Component({  selector: 'app-heroes',  templateUrl: './heroes.component.html',  styleUrls: ['./heroes.component.css'] }) **export class** HeroesComponent **implements** OnInit {  /\*  hero = 'Windstorm';  \*/  hero: Hero = {  id: 1,  name: 'Windstorm'  };   **constructor**() { }   ngOnInit() {  }  }  index.html쪽에서는 app-root를 보여주기때문에  <body>  <app-root></app-root> </body>  app.component.ts가 보여진다. main.ts->app.module.ts에의해 불러지기때문에. heroes가 import되어있다.  **import** { Component } **from** '@angular/core';  @Component({  selector: 'app-root',  templateUrl: './app.component.html',  styleUrls: ['./app.component.css'] }) **export class** AppComponent {  title = 'Tour of Heroes'; }  **import** { enableProdMode } **from** '@angular/core'; **import** { platformBrowserDynamic } **from** '@angular/platform-browser-dynamic';  **import** { AppModule } **from** './app/app.module'; **import** { environment } **from** './environments/environment';  **if** (environment.production) {  enableProdMode(); }  platformBrowserDynamic().bootstrapModule(AppModule);  app.component.html  <h1>{{title}}</h1> <app-heroes></app-heroes> |

**if , for import**

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|  | mock-heroes.ts  **import** { Hero } **from** './hero';  **export const** HEROES: Hero[] = [  { id: 11, name: 'Mr. Nice' },  { id: 12, name: 'Narco' },  { id: 13, name: 'Bombasto' },  { id: 14, name: 'Celeritas' },  { id: 15, name: 'Magneta' },  { id: 16, name: 'RubberMan' },  { id: 17, name: 'Dynama' },  { id: 18, name: 'Dr IQ' },  { id: 19, name: 'Magma' },  { id: 20, name: 'Tornado' } ];  hero.ts  **export class** Hero {  id: **number**;  name: **string**; } |
| heroes.component.ts  **import** { Component, OnInit } **from** '@angular/core'; **import** { Hero } **from** '../hero'; **import** { HEROES } **from** '../mock-heroes';  @Component({  selector: 'app-heroes',  templateUrl: './heroes.component.html',  styleUrls: ['./heroes.component.css'] }) **export class** HeroesComponent **implements** OnInit {   heroes = HEROES;   selectedHero: Hero;    **constructor**() { }   ngOnInit() {  }   onSelect(hero: Hero): **void** {  **this**.selectedHero = hero;  } } | heroes.component.html  <h2>My Heroes</h2> <ul class="heroes">  <li \*ngFor="let hero of heroes"  [class.selected]="hero === selectedHero"  (click)="onSelect(hero)">  <span class="badge">{{hero.id}}</span> {{hero.name}}  </li> </ul>  <div \*ngIf="selectedHero">   <h2>{{ selectedHero.name | uppercase }} Details</h2>  <div><span>id: </span>{{selectedHero.id}}</div>  <div>  <label>name:  <input [(ngModel)]="selectedHero.name" placeholder="name">  </label>  </div>  </div> |

**Injection**

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| hero.ts  **export class** Hero {  id: **number**;  name: **string**; } | mock-heros.ts  **import** { Hero } **from** './hero';  **export const** HEROES: Hero[] = [  { id: 11, name: 'Mr. Nice' },  { id: 12, name: 'Narco' },  { id: 13, name: 'Bombasto' },  { id: 14, name: 'Celeritas' },  { id: 15, name: 'Magneta' },  { id: 16, name: 'RubberMan' },  { id: 17, name: 'Dynama' },  { id: 18, name: 'Dr IQ' },  { id: 19, name: 'Magma' },  { id: 20, name: 'Tornado' } ]; |
| app.module.ts  **import** { BrowserModule } **from** '@angular/platform-browser'; **import** { NgModule } **from** '@angular/core'; **import** { FormsModule } **from** '@angular/forms';  **import** { AppComponent } **from** './app.component'; **import** { HeroesComponent } **from** './heroes/heroes.component'; **import** { HeroDetailComponent } **from** './hero-detail/hero-detail.component';  @NgModule({  declarations: [  AppComponent,  HeroesComponent,  HeroDetailComponent  ],  imports: [  BrowserModule,  FormsModule  ],  providers: [],  bootstrap: [AppComponent] }) **export class** AppModule { } | app.component.ts  **import** { Component } **from** '@angular/core';  @Component({  selector: 'app-root',  templateUrl: './app.component.html',  styleUrls: ['./app.component.css'] }) **export class** AppComponent {  title = 'Tour of Heroes'; } |
| hero.component.ts  **import** { Component, OnInit } **from** '@angular/core'; **import** { Hero } **from** '../hero'; **import** { HEROES } **from** '../mock-heroes';  @Component({  selector: 'app-heroes',  templateUrl: './heroes.component.html',  styleUrls: ['./heroes.component.css'] }) **export class** HeroesComponent **implements** OnInit {   heroes = HEROES;   selectedHero: Hero;   **constructor**() { }   ngOnInit() {  }   onSelect(hero: Hero): **void** {  **this**.selectedHero = hero;  } } | hero.component.html  <h2>My Heroes</h2>  <ul class="heroes">  <li \*ngFor="let hero of heroes"  [class.selected]="hero === selectedHero"  (click)="onSelect(hero)">  <span class="badge">{{hero.id}}</span> {{hero.name}}  </li> </ul>  <app-hero-detail **[hero]="selectedHero"**></app-hero-detail> |
| hero-detail.component.ts  **import** { Component, OnInit, Input } **from** '@angular/core'; **import** { Hero } **from** '../hero';  @Component({  selector: 'app-hero-detail',  templateUrl: './hero-detail.component.html',  styleUrls: ['./hero-detail.component.css'] }) **export class** HeroDetailComponent **implements** OnInit {  **@Input() hero: Hero;**   **constructor**() { }   ngOnInit() {  }  } | hero-detail.component.html  <div \*ngIf="hero">   <h2>{{ hero.name | uppercase }} Details</h2>  <div><span>id: </span>{{hero.id}}</div>  <div>  <label>name:  <input [(ngModel)]="hero.name" placeholder="name"/>  </label>  </div>  </div> |