

Angular Basics (Final)

By: Mosh Hamedani

Creating Components

```
import { Component } from '@angular/core'
```

```
@Component({  
  selector: 'courses',  
  template: '<h2>Courses</h2>  
})  
export class Component { }
```

Then, register them in AppModule (or the module they belong to):

```
@NgModule({  
  declarations: [CoursesComponent]  
})  
export class AppModule { ... }
```

Using Components

```
import { CoursesComponent } from './courses.component'
```

```
@Component({  
  template: '<courses></courses>  
})
```

Angular Basics (Final)

By: Mosh Hamedani

Templates

Interpolation syntax:

```
{{ title }}
```

Displaying lists:

```
<ul>
  <li *ngFor="let course of courses">
    {{ course }}
  </li>
</ul>
```

Services

```
import { Injectable } from '@angular/core';
```

```
@Injectable()
```

```
export class CourseService {
}
```

Angular Basics (Final)

By: Mosh Hamedani

Dependency Injection

Register a service as a provider in AppModule (or the module it belongs to):

```
@NgModule({  
  providers: [CourseService]  
})  
export class AppModule { ... }
```

Then, inject it into the constructor of the components that need it:

```
export class CourseComponent {  
  constructor(courseService: CourseService) {}  
}
```

Directives

Basic structure

```
import { Directive } from '@angular/core'
```

```
@Directive({  
  selector: '[autoGrow]',  
  host: {  
    '(focus)': 'onFocus()',  
    '(blur)': 'onBlur()'  
  }  
})  
export class AutoGrowDirective {  
  onFocus() { ... }  
  onBlur() { ... }  
}
```

Angular Basics (Final)

By: Mosh Hamedani

To access and modify DOM elements

```
import { ElementRef, Renderer } from '@angular/core'

export class AutoGrowDirective {
  constructor(
    private el: ElementRef,
    private renderer: Renderer) {

    onFocus(){
      this.renderer.setStyle(this.el.nativeElement,
        'width', '200');
    }
  }
}
```

Registration

Once you implement a directive, you should register it in AppModule (or the module it belong to):

```
@NgModule({
  declarations: [AutoGrowDirective]
})
export class AppModule { }
```