

Angular Basics (Beta)

By: Mosh Hamedani

Creating Components

```
import {Component} from 'angular2/core'
```

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

Using Components

In AppComponent:

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

```
@Component({  
  template: '<courses></courses>',  
  directives: [CoursesComponent]  
})
```

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Templates

Interpolation

```
{{ title }}
```

Displaying lists:

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

Services

```
import {Injectable} from 'angular2/core';

@Injectable()
export class CourseService {

}
```

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Dependency Injection

```
@Component({  
  providers: [CourseService]  
})  
export class CourseComponent {  
  constructor(courseService: CourseService) {  
  }  
}
```

Directives

Basic structure

```
import {Directive} from 'angular2/core'
```

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

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To access and modify DOM elements

```
import {ElementRef, Renderer} from 'angular2/core'

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

  }

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