

Angular Basics

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

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