**Introduction**

Ember.js is an open-source JavaScript web framework, based on the Model–view–viewmodel (MVVM) pattern.

Ember uses handlebar and command line tool

**Ember js cli**

- Ember-cli aims to bring convention over configuration to build tools. A command line utility based on broccoli,[31] running the command ember new <app-name> generates a new Ember app with the **default stack**.

- Convention over configuration (also known as **coding by convention**) is a software design paradigm used by software frameworks that attempt to **decrease the number of decisions** that a developer using the framework is required to make without necessarily losing flexibility.

**uses ember-cli-babel to convert ES6/ES7 code to ES5 code**

- By default it will take every .js file in your project and run it through the Babel transpiler to transpile the ES6 code to ES5.

installed ember

ember new ipp

ember install ember-cli-tutorial-style

ember install ember-cli-mirage

**Demo:**

ember g route **about**

- copy template

ember g route **contact**

- copy template

ember g route **index**

- **copy template and route js**

ember g template **application**

- copy template

ember g model **employee**

- copy models/js

ember g route **employees**

- copy template but **just to display the list**

- copy route js

- copy mirage/config

ember g component **employee-listing**

- copy template/comp/.hbs - **just listing part**

- copy component/ js

- adjust the code from employees.hbs to use this component

ember g **controller employees**

**-** copy controllers.js

- modify employees.hbs

- modify employee-listing.hbs and js

Finally show **ember inspector**, it is like angular inspector

**Show object oriented concepts and observer:**

[**https://guides.emberjs.com/v2.7.0/object-model/**](https://guides.emberjs.com/v2.7.0/object-model/)

**Show the types of Route**

[**https://guides.emberjs.com/v2.7.0/routing/defining-your-routes/**](https://guides.emberjs.com/v2.7.0/routing/defining-your-routes/)

**-->> show redirecting on the same page**

**Introduce writing helpers (equiv to filters in AngularJs)**

[**https://guides.emberjs.com/v2.7.0/templates/writing-helpers/**](https://guides.emberjs.com/v2.7.0/templates/writing-helpers/)

**introduce component lifecycly again (equiv to directive in AngularJs)**

[**https://guides.emberjs.com/v2.7.0/components/the-component-lifecycle/**](https://guides.emberjs.com/v2.7.0/components/the-component-lifecycle/)

**Show all addons again:**

<https://www.emberaddons.com/>