



tutorialspoint

SIMPLY EASY LEARNING

www.tutorialspoint.com



<https://www.facebook.com/tutorialspointindia>



<https://twitter.com/tutorialspoint>

About the Tutorial

Ember.js is an open source JavaScript client-side framework used for developing web applications. It uses the MVC(Model-View-Controller) architecture pattern. In Ember.js, *route* is used as model, *handlebar template* as view and *controller* manipulates the data in the model.

This tutorial covers most of the topics required for a basic understanding of EmberJS and to get a feel of how it works.

Audience

This tutorial is designed for software programmers who aspire to learn the basics of EmberJS and its programming concepts in simple and easy ways. This tutorial will give you enough understanding on the components of EmberJS with suitable examples.

Prerequisites

Before proceeding with this tutorial, you should have a basic understanding of HTML, CSS, JavaScript, Document Object Model (DOM) and any text editor. As we are going to develop web-based applications using EmberJS, it will be good if you have a good understanding on how the Internet and the web-based applications work.

Copyright & Disclaimer

© Copyright 2017 by Tutorials Point (I) Pvt. Ltd.

All the content and graphics published in this e-book are the property of Tutorials Point (I) Pvt. Ltd. The user of this e-book is prohibited to reuse, retain, copy, distribute or republish any contents or a part of contents of this e-book in any manner without written consent of the publisher.

We strive to update the contents of our website and tutorials as timely and as precisely as possible, however, the contents may contain inaccuracies or errors. Tutorials Point (I) Pvt. Ltd. provides no guarantee regarding the accuracy, timeliness or completeness of our website or its contents including this tutorial. If you discover any errors on our website or in this tutorial, please notify us at contact@tutorialspoint.com

Table of Contents

About the Tutorial.....	i
Audience	i
Prerequisites	i
Copyright & Disclaimer.....	i
Table of Contents	ii
1. EMBERJS – OVERVIEW.....	1
2. EMBERJS – INSTALLATION	2
3. EMBERJS – CORE CONCEPTS	4
Router and Route Handlers.....	4
Templates	5
Model	5
Components.....	5
4. EMBERJS – CREATING AND RUNNING APPLICATION	6
Creating Application.....	6
Running Application.....	7
5. EMBERJS – OBJECT MODEL	9
EmberJS – Classes and Instances	10
Initializing Instance	10
EmberJS – Classes and Instances	11
EmberJS – Classes and Instances	13
EmberJS – Computed Properties	14
EmberJS – Object Model Chaining Computed Properties	16
EmberJS – Object Model Dynamic Updating.....	18
EmberJS – Object Model Setting Computed Properties	20

EmberJS – Computed Properties and Aggregate Data	23
EmberJS – Observers	24
EmberJS – Object Model Observer and Asynchrony	26
EmberJS – Object Model Declaring the Observer	29
Outside of Class Definitions.....	29
EmberJS – Bindings	31
EmberJS – One Way Binding.....	33
6. EMBERJS – ROUTER.....	35
EmberJS – Defining Routes.....	36
EmberJS – Specifying a Route's Model	38
EmberJS – Router Dynamic Models.....	42
EmberJS – Router Dynamic Models.....	42
Configuring Firebase	44
EmberJS – Rendering a Template	50
EmberJS – Redirecting	52
EmberJS - Preventing and Retrying Transitions	55
EmberJS – Router Preventing Transitions Via willTransition.....	55
EmberJS – Router Aborting Transitions	59
EmberJS – Loading/Error Substates	59
EmberJS – Query Parameters	63
EmberJS – Router Specifying Query Parameters.....	64
EmberJS – Router Opting Into a Full Transition	67
EmberJS – Router Update URL with replaceState Instead	70
EmberJS – Router Map a Controller's Property to a Different Query Param Key	74
EmberJS – Router Default Values and Deserialization	77
EmberJS – Router Sticky Query Param Values	80
EmberJS – Asynchronous Routing	82

EmberJS – Router Pauses for Promises	84
EmberJS – Router When Promises Reject	88
EmberJS – Router Recovering from Rejection.....	91
7. EMBERJS – TEMPLATES	94
EmberJS – Handlebars Basics.....	95
EmberJS – Built-in Helpers.....	96
EmberJS – Conditionals	97
EmberJS – Template Condition If.....	97
EmberJS – Template Condition Unless	98
EmberJS – Displaying a List of Items	99
EmberJS – Displaying Keys in an Object.....	101
EmberJS – Links.....	103
EmberJS – Template Multiple Segments.....	105
EmberJS – Template link-to as Inline Helper.....	108
EmberJS – Template Additional Attributes on a Link.....	110
EmberJS – Template Replacing History Entries	112
EmberJS – Actions	115
EmberJS – Template Action Parameter	118
EmberJS – Template Action Specifying Type of Event.....	120
EmberJS – Template Modifier Keys	122
EmberJS – Template Modifying Action's First Parameter	123
EmberJS – Input Helpers.....	126
EmberJS – Template Input Helper Text Fields.....	126
EmberJS Template Input Helper CheckBox	130
EmberJS – Template Input Helper Text Areas.....	133
EmberJS – Development Helpers.....	136
EmberJS – Template Development Helper Log	137

EmberJS – Template Development Adding a Breakpoint.....	139
EmberJS – Writing Helpers	140
EmberJS – Helper Arguments	142
EmberJS - Named Arguments	142
EmberJS – Escaping HTML Content.....	144
8. EMBERJS – COMPONENTS.....	146
EmberJS – Defining a Component.....	147
EmberJS – Defining a Component.....	148
EmberJS – Attribute Change with didUpdateAttrs.....	149
EmberJS – Attributes with didReceiveAttrs	153
EmberJS – Third-Party Libraries with didInsertElement	157
EmberJS – Rendered DOM with didRender	160
EmberJS – Detaching and Tearing Down with willDestroyElement.....	163
EmberJS – Passing Properties to a Component.....	166
EmberJS – Wrapping Content in a Component	168
EmberJS – Customizing a Component's Element	170
EmberJS – Customizing a Component's Element	170
EmberJS – Customizing the Element's Class.....	171
EmberJS – Customizing Attributes.....	172
EmberJS – Using Block Params	174
EmberJS – Return values from a component with yield.....	174
EmberJS – Supporting both block and non-block Component Usage	177
EmberJS – Handling Events.....	180
Event Names	180
EmberJS – Sending Actions.....	181
EmberJS – Triggering Changes with Actions.....	183
EmberJS – Defining a Component.....	184

EmberJS – Implementing Action and Designing Child Component.....	185
EmberJS – Handling Action Completion and Passing Arguments	187
EmberJS – Invoking Actions on Component Collaborators	191
9. EMBERJS – MODELS	195
EmberJS – Defining Models	197
EmberJS – Router Dynamic Models	199
Configuring Firebase	202
EmberJS – Finding Records	207
EmberJS – Router Dynamic Models	207
Configuring Firebase	210
EmberJS – Creating and Deleting Records	215
EmberJS – Relationships.....	221
EmberJS – Pushing Records	226
EmberJS – Handling Metadata	230
EmberJS – Customizing Adapters	230
10. EMBERJS – MANAGING DEPENDENCIES	234
11. EMBERJS – APPLICATION CONCERNS	236
EmberJS – Dependency Injection.....	236
EmberJS – Initializers.....	242
EmberJS – Services	243
EmberJS – Run Loop	244
12. EMBERJS – CONFIGURING EMBER.JS.....	246
EmberJS – Configuring App and Ember CLI	246
EmberJS – Disabling Prototype Extensions and Specifying URL Type	248
Specifying URL Type	248
EmberJS – Embedding Applications and Feature Flags	249

13. EMBERJS – EMBER INSPECTOR.....	251
EmberJS – Installing the Inspector.....	251
EmberJS – Object Inspector.....	254
EmberJS – View Tree.....	256
EmberJS – Inspecting Routes, Data Tab and Library Info.....	259
Data Tab.....	259
Library Info.....	260
EmberJS – Debugging Promises.....	261
EmberJS – Inspecting Objects and Rendering Performance.....	263

1. EMBERJS – OVERVIEW

What is Ember.js?

Ember.js is an open source, free JavaScript client-side framework used for developing web applications. It allows building client side JavaScript applications by providing a complete solution which contains data management and an application flow.

The original name of Ember.js was *SproutCore MVC framework*. It was developed by *Yehuda Katz* and initially released on in *December 2011*. The stable release of Ember.js is 2.10.0 and this was released on November 28, 2016.

Why Ember.js?

Consider the following points to understand the use of Ember.js:

- Ember.js is an open source JavaScript framework under MIT license.
- It provides the new binding syntax using the *HTMLBars* template engine which is a superset of the *Handlebars* templating engine.
- It provides the *Glimmer rendering engine* to increase the rendering speed.
- It provides the *Command Line Interface* utility that integrates Ember patterns into development process and focuses easily on the developer productivity.
- It supports *data binding* to create the link between two properties and when one property changes, the other property will get upgraded with the new value.

Features of Ember.js

Following are the some of the most prominent features of Ember.js:

- Ember.js is used for creating reusable and maintainable JavaScript web applications.
- Ember.js has *HTML* and *CSS* at the core of the development model.
- It provides the instance initializers.
- The routes are core features of the Ember.js which are used for managing the URL's.
- Ember.js provides *Ember Inspector* tool for debugging Ember applications.
- Ember.js uses templates that help to automatically update the model, if the content of applications gets changed.

2. EMBERJS – INSTALLATION

It is easy to configure Ember.js in your system. By using the Ember CLI (Command Line Interface) utility, you can create and manage your Ember projects. The Ember CLI deals with different kinds of application asset management such as concatenation, minification and versioning and also provide generators to produce components, routes etc.

To install Ember CLI, you need to have the following dependencies:

- **Git:** It is an open source version control system for tracking the changes made in the files. For more information, check the official website of [git](http://git-scm.com). Ember uses Git to manage its dependencies.
 - *Installing Git on Linux:* Install the Git on Linux by using this link – <http://git-scm.com/download/linux>
 - *Installing Git on Mac:* Install the Git on Mac OS by using this link – <https://git-scm.com/download/mac>
 - *Installing Git on Linux:* Install the Git on Windows by using this link – <https://git-scm.com/download/win>
- **Node.js and npm:** Node.js is an open source, used for developing server side and networking applications. It is written in JavaScript. NPM is a node package manager used for installing, sharing and managing the dependencies in the projects. Ember CLI uses Node.js run time and npm to get the dependencies.
- **Bower:** It is used for managing the components such as HTML, CSS, JavaScript, image files etc and can be installed by using the npm.
- **Watchman:** This optional dependency can be used to watch the files or directories and execute some actions when they change.
- **PhantomJS:** This optional dependency can be used for running browser based unit tests to interact with web page.

Installing Ember CLI

Ember CLI integrates Ember patterns into development process and focuses easily on the developer productivity. It is used for creating Ember apps with Ember.js and Ember data.

You can install Ember using npm as in the command given below:

```
npm install -g ember-cli
```

To install the beta version, use the following command:

```
npm install -g ember-cli@2.10
```

To check the successful installation of Ember, use the following command:

```
ember -v
```

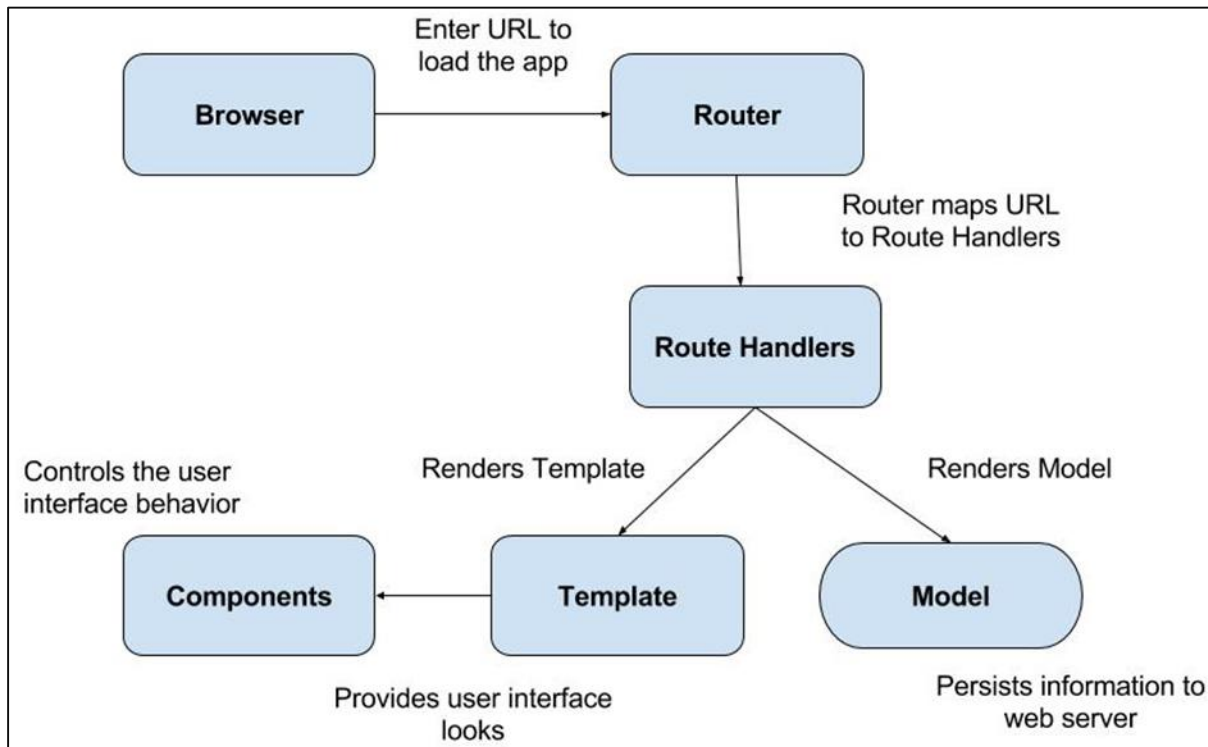
After executing the above command, it will show something like this:

```
ember-cli: 2.10.1  
node: 0.12.7  
os: win32 ia32
```

3. EMBERJS – CORE CONCEPTS

Ember.js has the following core concepts:

- Router
- Templates
- Models
- Components



Router and Route Handlers

The URL loads the app by entering the URL in the address bar and user will click a link within the app. The Ember uses the router to map the URL to a route handler. The router matches the existing URL to the route which is then used for loading data, displaying the templates and setting up an application state.

The Route handler performs the following actions:

- It provides the template.
- It defines the model that will be accessible to the template.

- If there is no permission for the user to visit a particular part of the app, then the router will redirect to a new route.

Templates

Templates are powerful UI for the end-users. Ember template provides user interface look of an application which uses the syntax of [Handlebars templates](#). It builds the front-end application, which is like the regular HTML. It also supports the regular expression and dynamically updates the expression.

Model

The route handlers render the model that persists information to the web server. It manipulates the data stored in the database. The model is the simple class that extends the functionality of the Ember Data. Ember Data is a library that is tightly coupled with Ember.js to manipulate with the data stored in the database.

Components

The component controls the user interface behavior which includes two parts:

- a template which is written in JavaScript
- a source file which is written in JavaScript that provides behavior of the components.

4. EMBERJS – CREATING AND RUNNING APPLICATION

You can easily configure the Ember.js in your system. The installation of Ember.js is explained in the [EmberJS Installation](#) chapter.

Creating Application

Let us create one simple app using Ember.js. First create one folder where you create your applications. For instance, if you have created the "emberjs-app" folder, then navigate to this folder as:

```
$ cd ~/emberjs-app
```

Inside the "emberjs-app" folder, create a new project by using the *new* command:

```
$ ember new demo-app
```

When you create a project, *new* command provides the following directory structure with files and directories:

```
|-- app
|-- bower_components
|-- config
|-- dist
|-- node_modules
|-- public
|-- tests
|-- tmp
|-- vendor

bower.json
ember-cli-build.js
package.json
README.md
testem.js
```

- **app**: It specifies the folders and files of models, routes, components, templates and styles.
-

- **bower_components / bower.json**: It is used for managing the components such as HTML, CSS, JavaScript, image files etc and can be installed by using the npm. The *bower_components* directory contains all the Bower components and *bower.json* contains the list of dependencies which are installed by Ember, Ember CLI Shims and QUnit.
-
- **config**: It contains the *environment.js* directory which is used for configuring the settings of an application.
-
- **dist**: It includes the output files which are deployed when building the app.
-
- **node_modules / package.json**: NPM is a node package manager for Node.js which is used for installing, sharing and managing the dependencies in the projects. The *package.json* file includes the current npm dependencies of an application and the listed packages get installed in the **node_modules** directory.
-
- **public**: It includes assets like images, fonts, etc.
-
- **vendor**: It is a directory in which the front-end dependencies such as JavaScript, CSS are not controlled by Bower go.
-
- **tests / testem.js**: The automated tests are stored under the tests folder and the test runner *testem* of Ember CLI's is arranged in *testem.js*.
-
- **tmp**: It contains the temporary files of Ember CLI.
-
- **ember-cli-build.js**: It specifies how to build the app by using the Ember CLI.

Running Application

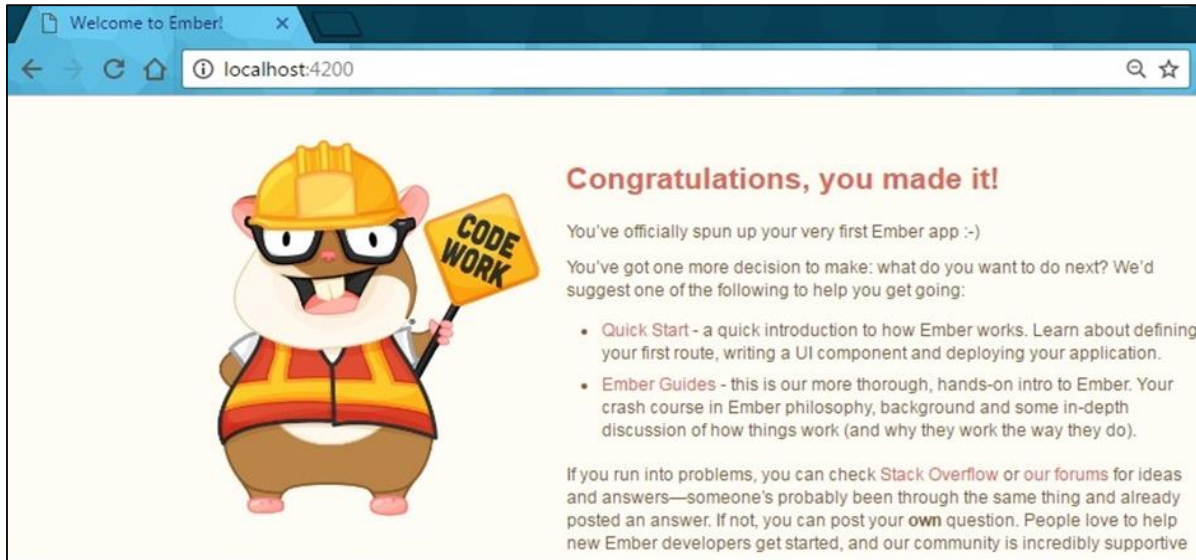
To run the application, navigate to the newly created project directory:

```
$ cd demo-app
```

We have created the new project and it is ready to run with the command given below:

```
$ ember server
```

Now open the browser and navigate to <http://localhost:4200/>. You will get the Ember Welcome page as shown in the image below:



5. EMBERJS – OBJECT MODEL

In Ember.js, all objects are derived from the *Ember.Object*. Object-oriented analysis and design technique is called **object modeling**. The *Ember.Object* supports features such as mixins and constructor methods by using the class system. Ember uses the [Ember.Enumerable](#) interface to extend the JavaScript *Array* prototype to give the observation changes for arrays and also uses the [formatting and localization](#) methods to extend the *String* prototype.

The following table lists down the different types of object model in Ember.js along with their description:

S.NO.	Types & Description
1	Classes and Instances Class is a template or blue print, that has a collection of variables and functions, whereas instances are related to the object of that class. You can create new Ember class by using the Ember.Object's <i>extend()</i> method.
2	Reopening Classes and Instances This is nothing but updating the class implementation without redefining it.
3	Computed Properties A computed property declares functions as properties and Ember.js automatically calls the computed properties when needed and combines one or more properties in one variable.
4	Computed Properties and Aggregate Data The computed property accesses all items in an array to determine its value.
5	Observers The observer observes the property such as computed properties and updates the text of the computed property.
6	Bindings The binding is a powerful feature of Ember.js which helps to create a link between two properties and if one of the properties gets changed, the other one is updated automatically.

EmberJS – Classes and Instances

Class is a template or blue print, that has a collection of variables and functions, where as instances are related to the object of that class. Creating and extending the Ember class on `Ember.Object` is the main property of the Ember object model.

Defining Classes

You can create new Ember class by using the `Ember.Object`'s `extend()` method:

```
const Demo = Ember.Object.extend({
  //code here
});
```

The above code creates new Ember class called "Demo" which inherits the properties from initializers, computed properties, etc. After creating the class, you need to create instance of it by using the `create()` method as shown below:

```
const state = Demo.create();
```

Using the above instance "state", access the properties by using the `set` and `get` accessor methods.

```
console.log(state.get('stateOn'));
```

You can change the "stateon" property by using the `set` method as shown below:

```
state.set('stateOn', true);
```

Initializing Instance

You can initialize the new instance by invoking the `init()` method. When declaring objects in the class, you need to initialize each instance with the `init()` method.

Example

The following example uses the above mentioned properties and displays an alert message when an Ember object is initialized:

```
import Ember from 'ember'; //import ember module
export default function() {
  //new ember object
  const Demo = Ember.Object.extend({
    init(){
      alert('The default property of stateOn is : ' + this.get('stateOn'));
    },
  },
```

```

        stateOn: false
    });

    const state = Demo.create(); //new instance from object with create() method
    state.set('stateOn', true);
    console.log(state.get('stateOn'));
}

```

Now open the *app.js* file and add the following line on top of the file:

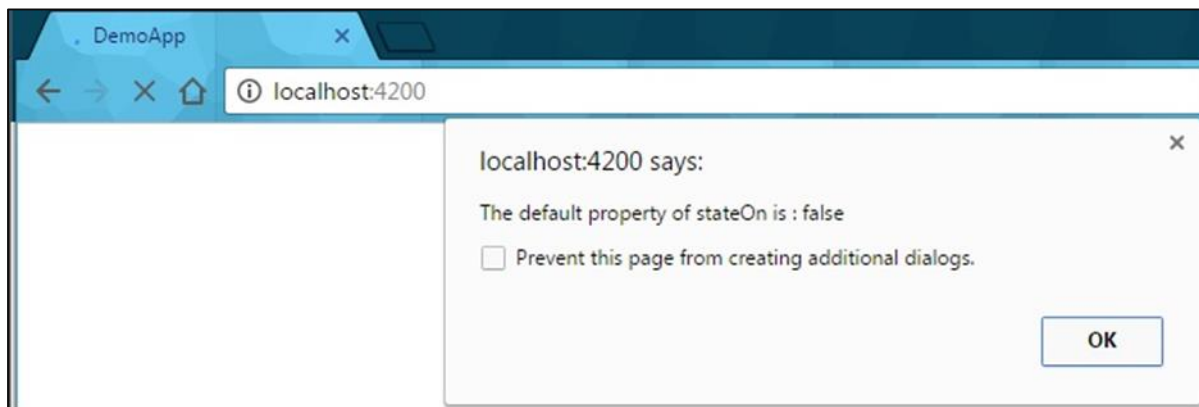
```
import classinstance from './classinstance';
```

Where, *classinstance* is a name of the file specified as "classinstance.js" and created under the "app" folder. Now, call the inherited "classinstance" at the bottom, before the export. This executes the *classinstance* function which is created in the *classinstance.js* file:

```
classinstance();
```

Output

Run the ember server and you will receive the following output:



EmberJS – Classes and Instances

This is nothing but updating the class implementation without redefining it and reopening the class by specifying new properties in it. This is possible by using the following methods:

- **reopen()**: It adds properties and methods to *instances*.
- **reopenClass()**: It adds properties and methods to the *classes*.

Example

The following example uses the methods mentioned above and specifies the new properties or methods in it:

```
import Ember from 'ember';
export default function() {
  // reopen() method for instances
  var Person = Ember.Object.extend({
    firstName: null,
    lastName: null,
  });

  // adding new variable to the Person class
  Person.reopen({
    middleName: 'Smith',
  });
  document.write('Middle Name: '+Person.create().get('middleName'));
  document.write("<br>");

  // reopenClass() method for classes
  Person.reopenClass({
    //creating new function for class Person
    openClass: function() {
      return Person.create({isMan: true});
    }
  });
  document.write('isMan: '+Person.openClass().get('isMan'));
}
```

Now open the *app.js* file and add the following line at the top of the file:

```
import reopenclass from './reopenclass';
```

Where, *reopenclass* is a name of the file specified as "reopenclass.js" and created under the "app" folder.

Next call the inherited "reopenclass" at the bottom, before the export. It executes the reopenclass function which is created in the *reopenclass.js* file:

```
reopenclass();
```

Output

Run the ember server and you will receive the following output:



EmberJS – Classes and Instances

This is nothing but updating the class implementation without redefining it and reopening the class by specifying new properties in it. This is possible by using the following methods:

- **reopen()**: It adds properties and methods to *instances*.
- **reopenClass()**: It adds properties and methods to the *classes*.

Example

The example given below uses the methods mentioned above and specifies the new properties or methods in it:

```
import Ember from 'ember';
export default function() {
  // reopen() method for instances
  var Person = Ember.Object.extend({
    firstName: null,
    lastName: null,
  });

  // adding new variable to the Person class
  Person.reopen({
    middleName: 'Smith',
  });
  document.write('Middle Name: '+Person.create().get('middleName'));
  document.write("<br>");
}
```

```

// reopenClass() method for classes
Person.reopenClass({
  //creating new function for class Person
  openClass: function() {
    return Person.create({isMan: true});
  }
});
document.write('isMan: '+Person.openClass().get('isMan'));
}

```

Now open the *app.js* file and add the following line at the top of the file:

```
import reopenclass from './reopenclass';
```

Where, *reopenclass* is a name of the file specified as "reopenclass.js" and created under the "app" folder. Now, call the inherited "reopenclass" at the bottom, before the export. It executes the *reopenclass* function which is created in the *reopenclass.js* file:

```
reopenclass();
```

Output

Run the ember server and you will receive the following output:



EmberJS – Computed Properties

A computed property declares functions as properties and Ember.js automatically calls the computed properties when needed and combines one or more properties in one variable.

The following table lists down the properties of the computed property:

S.NO.	Properties & Description
1	Chaining Computed Properties The chaining computed property is used to <i>aggregate</i> with one or more predefined computed properties.

2	Dynamic Updating Dynamically updates the computed property when they are called.
3	Setting Computed Properties Helps set up the computed properties by using the <i>setter and getter</i> methods.

Example

The following example adds the computed property to Ember.object and shows how to display the data:

```
import Ember from 'ember';
export default function () {
  var Car = Ember.Object.extend({
    //The values for below variables will be supplied by 'create' method
    CarName: null,
    CarModel: null,
    carDetails: Ember.computed('CarName', 'CarModel', function () {
      //returns values to the computed property function 'carDetails'
      return ' Car Name: ' + this.get('CarName') + '<br>' + ' Car Model: ' +
this.get('CarModel');
    })
  });

  var mycar = Car.create({
    //initializing the values of Car variables
    CarName: "Alto",
    CarModel: "800",
  });
  //Displaying the information of the car
  document.write("<h2>Details of the car: <br></h2>");
  document.write(mycar.get('carDetails'));
}
```

Now open the *app.js* file and add the following line at the top of the file:

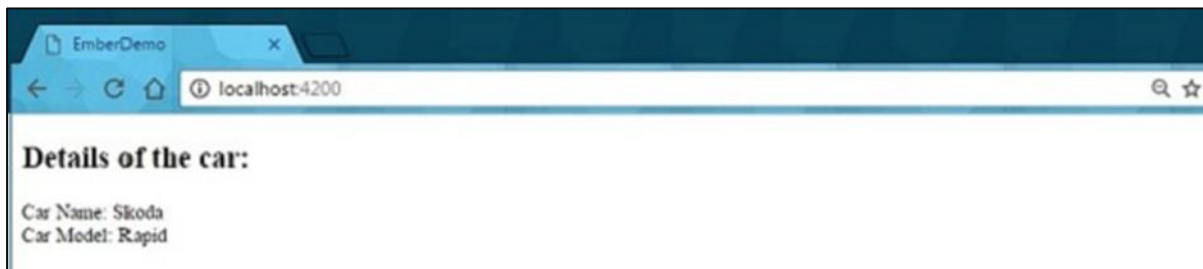
```
import computedproperties from './computedproperties';
```

Where, **computedproperties** is a name of the file specified as "computedproperties.js" and created under the "app" folder. Now, call the inherited "computedproperties" at the bottom, before the export. It executes the computedproperties function which is created in the *computedproperties.js* file:

```
computedproperties();
```

Output

Run the ember server and you will receive the following output:



EmberJS – Object Model Chaining Computed Properties

The chaining computed property is used to *aggregate with one or more predefined computed properties* under a single **property**.

Syntax

```
var ClassName = Ember.Object.extend({
  NameOfComputedProperty1: Ember.computed(function() {
    return VariableName;
  }),

  NameOfComputedProperty2: Ember.computed(function() {
    return VariableName;
  });
});
```

Example

The following example shows how to use the computed properties as values to create new computed properties:

```
import Ember from 'ember';
export default function () {
  var Person = Ember.Object.extend({
    firstName: null,
    lastName: null,
    age: null,
    mobno: null,
    // Defining the Details1 and Details2 computed property function
    Details1: Ember.computed('firstName', 'lastName', function () {
      return this.get('firstName') + ' ' + this.get('lastName');
    }),

    Details2: Ember.computed('age', 'mobno', function () {
      return 'Name: ' + this.get('Details1') + '<br>' + ' Age: ' +
this.get('age') + '<br>' + ' Mob No: ' + this.get('mobno');
    }),
  });

  var person_details = Person.create({
    //initializing the values for variables
    firstName: 'Jhon',
    lastName: 'Smith',
    age: 26,
    mobno: '1234512345'
  });
  document.write("<h2>Details of the Person: <br></h2>");
  //displaying the values by get() method
  document.write(person_details.get('Details2'));
}
```

Now open the *app.js* file and add the following line at the top of the file:

```
import chainingcomputedproperties from './chainingcomputedproperties';
```

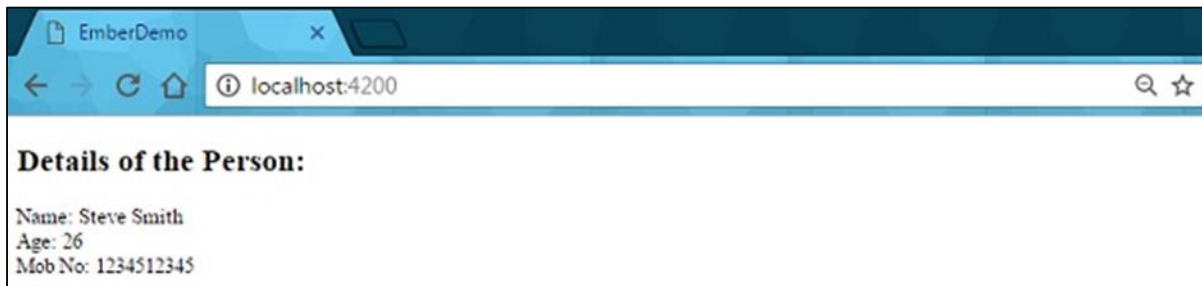
Where, **chainingcomputedproperties** is a name of the file specified as "chainingcomputedproperties.js" and created under the "app" folder.

Next call the inherited "chainingcomputedproperties" at the bottom, before the export. It executes the chainingcomputedproperties function which is created in the *chainingcomputedproperties.js* file:

```
chainingcomputedproperties();
```

Output

Run the ember server and you will receive the following output:



EmberJS – Object Model Dynamic Updating

Computed properties detect the changes made on the properties and dynamically update the computed property when they are called by using the *set()* method.

Syntax

```
ClassName.set('VariableName', 'UpdatedValue');
```

Example

The following example shows dynamically updated value when changes are made to the properties:

```
import Ember from 'ember';
export default function () {
  var Person = Ember.Object.extend({
    firstName: null,
    lastName: null,
```

```

    age: null,
    mobno: null,
    //Defining the Details1 and Details2 computed property function
    Details1: Ember.computed('firstName', 'lastName', function () {
        return this.get('firstName') + ' ' + this.get('lastName');
    }),

    Details2: Ember.computed('age', 'mobno', function () {
        return 'Name: ' + this.get('Details1') + '<br>' + ' Age: ' +
this.get('age') + '<br>' + ' Mob No: ' + this.get('mobno');
    }),
});

//initializing the Person details
var person_details = Person.create({
    //Dynamically Updating the properties
    firstName: 'Jhon',
    lastName: 'Smith',
    age: 26,
    mobno: '1234512345'
});

// updating the value for 'firstName' using set() method
person_details.set('firstName', 'Steve');
document.write("<h2>Details of the Person: <br></h2>");
document.write(person_details.get('Details2'));
}

```

Now open the *app.js* file and add below line at top of the file:

```
import dynamicupdating from './dynamicupdating';
```

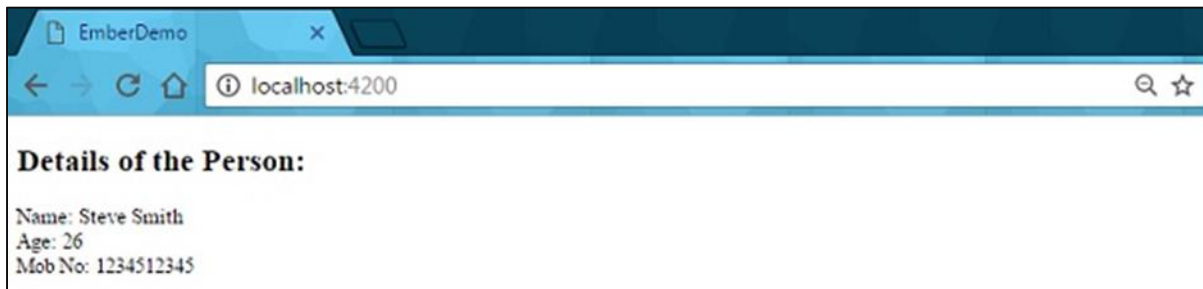
Where, *dynamicupdating* is a name of the file specified as "dynamicupdating.js" and created under the "app" folder.

Next call the inherited "dynamicupdating" at the bottom, before the export. It executes the *dynamicupdating* function which is created in the *dynamicupdating.js* file:

```
dynamicupdating();
```

Output

Run the ember server and you will receive the following output:



End of ebook preview
If you liked what you saw...
Buy it from our store @ <https://store.tutorialspoint>