```
ember new <name_of_the_app>
ember new loopylog
```

To start server:

===================

```
ember s
```

```
ember generate
ember g template application
```

application.hbs

```
<h1>My Application</h1>
{{#link-to "production"}}production{{/link-to}}
{{outlet}}
```

```
ember g route production
```

production.hbs

```
<h2>Production</h2>
```

To install addon

===================

```
ember install ember-pikaday
```

-->once install the add ons server has to refresh. so once aging enter <<ember s>> to start server

production.hbs

```html
<h2>Production</h2>
{{pikaday-input format="MM/DD/YYYY"}}
```

```
ember build --environment production
```

Check with python simple HTTP server:

==

```
cd dist
```

```
python -m http.server 8000
```

```
python -m SimpleHTTPServer
```
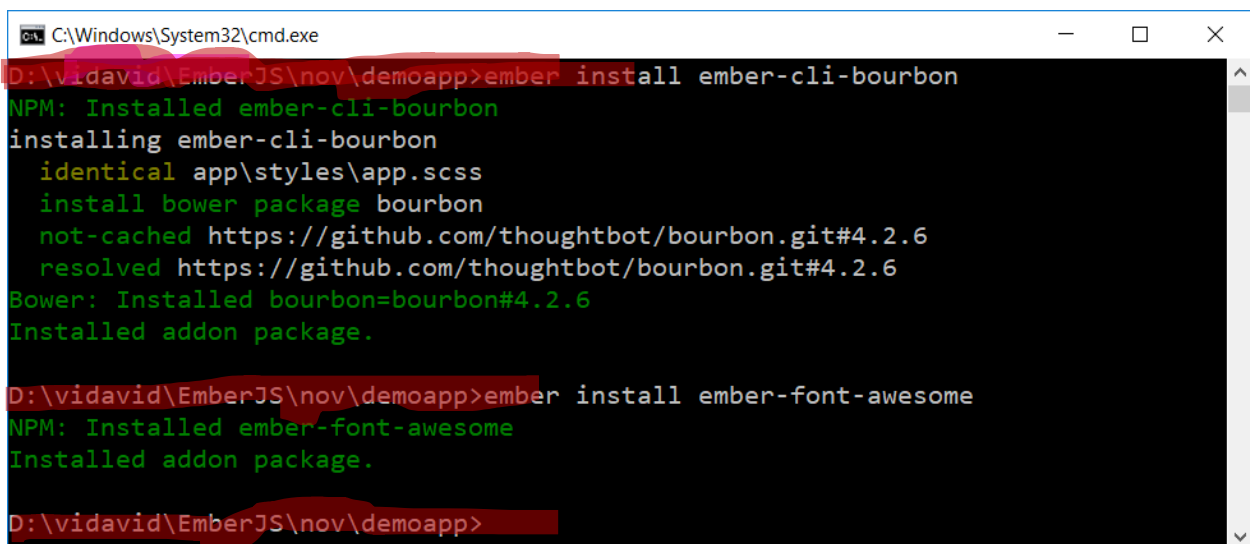
Add more plugins

=================

ember install ember-cli-sass

ember install ember-cli-bourbon

ember install ember-font-awesome

restart server:

===============

ember s

update your **application.hbs** file which includes

<nav class="title">

```
<h1> Heading</h1>
</nav>

<main>
{{outlet}}
</main>
```

updated app.scss file with the spec styles.
check if the styles changed

<u>optional</u>
if styles not changed.
rmdir /s node_modules bower_components dist tmp

npm install
bower install

generate route for dimension page:
=====================================
ember g route production/dimension

add model in production.js

```
================================
model(){
  return {
    "name" : "Tom",
    "age":23,
    "gender" : "Female"
  }
}
```

Add the following in the production.hbs file:

```
<h2>Production</h2>

<p>Name : {{model.name}}</p>
<p>Age: {{model.age}}</p>
<p>Gender : {{model.gender}}</p>
```

mkdir public\images

mkdir public\data

copy image into images

copy employee.json into data

production.js

```
import Ember from 'ember';

export default Ember.Route.extend({
  model(){
    /*return {
      "name" : "Tom",
      "age":23,
      "gender" : "Female"
    }*/
    return Ember.$.getJSON("/data/employee.json");
  }
});
```

production.hbs

```handlebars
<h2>Production</h2>

<p>Name : {{model.[10].name}}</p>
<p>Age: {{model.[10].age}}</p>
<p>Gender : {{model.[10].gender}}</p>
```

```
ember g route production/dimension
```

production.hbs

```handlebars
<h2>Production</h2>

<p>Product : {{model.[10].ProductName}}</p>
<p>Boards: {{model.[10].BoardsSum}}</p>
<p>BoardFeet : {{model.[10].BoardFeetSum}}</p>
<p>{{#link-to 'production.dimension' }}Dimension :
{{model.[10].DimensionName}} {{/link-to}}</p>

{{outlet}}
```

dimension.hbs

```handlebars
<h3>Dimension Details</h3>
{{outlet}}
```

Dynamic Segments:

production.js

```javascript
import Ember from 'ember';

export default Ember.Route.extend({
  model(params){
    /*return {
```

```
      "name" : "Tom",
      "age":23,
      "gender" : "Female"
    }*/
    return
Ember.$.getJSON(`/data/production.json?start=${params.start}&end
=${params.end}`);
  }
});
```

router.js

```
import Ember from 'ember';
import config from './config/environment';

const Router = Ember.Router.extend({
  location: config.locationType,
  rootURL: config.rootURL
});

Router.map(function() {
  this.route('production', {path: "/:start/to/:end"}, function()
{
    this.route('dimension', {path: "/dimension/:dimension_id"});
  });
});

export default Router;
```

production.hbs

```
<h2>Production</h2>

<p>Product : {{model.[10].ProductName}}</p>
<p>Boards: {{model.[10].BoardsSum}}</p>
<p>BoardFeet : {{model.[10].BoardFeetSum}}</p>
<p>{{#link-to 'production.dimension'
model.[10].DimensionID}}Dimension : {{model.[10].DimensionName}}
{{/link-to}}</p>

{{outlet}}
```

dimension.js

```
import Ember from 'ember';
```

```
export default Ember.Route.extend({
    model(params){
        return this.modelFor('production')
            .findBy('DimensionID',parseInt(params.dimension_id));
    }
});
```

dimension.hbs

```
<h3>Dimension : {{model.DimensionName}}</h3>
{{outlet}}
```

Use the below link in browser:

http://localhost:4200/yesterday/to/today

ember g template production/index

index.hbs

```
<p>Product : {{model.[10].ProductName}}</p>
<p>Boards: {{model.[10].BoardsSum}}</p>
<p>BoardFeet : {{model.[10].BoardFeetSum}}</p>
<p>{{#link-to 'production.dimension'
model.[10].DimensionID}}Dimension : {{model.[10].DimensionName}}
{{/link-to}}</p>
```

production.hbs

```
<h2>Production</h2>


{{outlet}}
```

Check the below URl again in browser:

http://localhost:4200/yesterday/to/today

ember g route index

index.js

```
import Ember from 'ember';

export default Ember.Route.extend({
  beforeModel() {
    this.transitionTo('production', "yesterday", "today");
  }
});
```

ember g template production-loading

production-loading.hbs

LOADING!!!

copy loading.gif into public/images folder

production-loading.hbs

```html
<div class="centroid">
  <img src="/images/loading.gif"><br>
  Loading Production data...
</div>
```

Update production.js file as below:

production.js

```javascript
import Ember from 'ember';
const Promise = Ember.RSVP.Promise;
export default Ember.Route.extend({
  model(params){
    /*return {
      "name" : "Tom",
      "age":23,
      "gender" : "Female"
    }*/
    //return
Ember.$.getJSON(`/data/production.json?start=${params.start}&end
=${params.end}`);
    return new Promise(function(resolve) {
      setTimeout(function() {
        let data =
Ember.$.getJSON(`/data/production.json?starts_at=${params.start}
&ends_at=${params.end}`);
        resolve(data);
      }, 400);
    });
  }
});
```

Using Templates Properly

Loops and Conditions

Create index.hbs file under template/production

Change index.hbs file under templates/production/index.hbs

index.hbs

```
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>

  </tr>
  </thead>
  <tbody>
  {{#each model as |row|}}
    <tr>
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
          {{row.DimensionName}}
        {{/link-to}}
      </td>
      <td class="quantity">{{row.BoardsSum}}</td>
      <td class="quantity">{{row.BoardFeetSum}}</td>

    </tr>
  {{/each}}
  </tbody>
</table>
```

Production.hbs

```
<h2>Production</h2>


{{outlet}}
```

Apply if condition

index.hbs

```
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
```

```
        <th>BoardFeet</th>

    </tr>
    </thead>
    <tbody>
    {{#each model as |row|}}
        <tr class="{{if row.BoardsSum "" "zero"}}">
          <td>
            {{#link-to "production.dimension" row.DimensionID}}
              {{row.DimensionName}}
            {{/link-to}}
          </td>
          <td class="quantity">{{row.BoardsSum}}</td>
          <td class="quantity">{{row.BoardFeetSum}}</td>

        </tr>
    {{/each}}
    </tbody>
</table>
```

ember install ember-truth-helpers

and restart server

ember s

index.hbs

```
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>

  </tr>
  </thead>
  <tbody>
  {{#each model as |row|}}
    <tr class="{{if (lt row.BoardsSum 10) (if (gt row.BoardsSum
```

```
5) "zero" "") ""}}">
        <td>
            {{#link-to "production.dimension" row.DimensionID}}
                {{row.DimensionName}}
            {{/link-to}}
        </td>
        <td class="quantity">{{row.BoardsSum}}</td>
        <td class="quantity">{{row.BoardFeetSum}}</td>

    </tr>
  {{/each}}
  </tbody>
</table>
```

Negation can be mentioned with *unless* keyword

```
{{unless (lt row.BoardsSum 10) "zero" ""}}
```

Apply Boolean value:

index.hbs

```
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>
    <th>{{fa-icon "cogs"}}</th>
  </tr>
  </thead>
  <tbody>
  {{#each model as |row|}}
    <tr class="{{if (lt row.BoardsSum 10) (if (gt row.BoardsSum
5) "zero" "") ""}}">
        <td>
            {{#link-to "production.dimension" row.DimensionID}}
                {{row.DimensionName}}
            {{/link-to}}
        </td>
        <td class="quantity">{{row.BoardsSum}}</td>
```

```
        <td class="quantity">{{row.BoardFeetSum}}</td>
        <td><input type="checkbox" disabled={{eq row.BoardsSum
0}}></td>
      </tr>
  {{/each}}
  </tbody>
</table>
```

For number formatting use below add-ons

ember install ember-cli-accounting

ember s → to restart

<u>index.hbs</u>

```
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>
    <th>{{fa-icon "cogs"}}</th>
  </tr>
  </thead>
  <tbody>
  {{#each model as |row|}}
    <tr class="{{if (lt row.BoardsSum 10) (if (gt row.BoardsSum
5) "zero" "") ""}}">
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
          {{row.DimensionName}}
        {{/link-to}}
      </td>
      <td class="quantity">{{row.BoardsSum}}</td>
      <td class="quantity">{{format-number row.BoardFeetSum
precision=2}}</td>
      <td><input type="checkbox" disabled={{eq row.BoardsSum
0}}></td>
      </tr>
  {{/each}}
  </tbody>
</table>
```

Create a Helper:

ember g helper row-class

ember s

you will be getting row-class.js under helpers/row-class.js

do the below changes

row-class.js

```javascript
import Ember from 'ember';

export function rowClass(params/*, hash*/) {
  if (params[0]) {
    var row = params[0],
      class_names = [];
    if (row.Boards === 0 || row.BoardsSum === 0) {
      class_names.push("zero");
    }
    //other conditions

    return class_names.join(" ");
  }
  return '';
}

export default Ember.Helper.helper(rowClass);
```

index.hbs

```html
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
```

```
      <th>BoardFeet</th>
      <th>{{fa-icon "cogs"}}</th>
   </tr>
   </thead>
   <tbody>
   {{#each model as |row|}}
      <tr class="{{row-class row}}">
        <td>
          {{#link-to "production.dimension" row.DimensionID}}
            {{row.DimensionName}}
          {{/link-to}}
        </td>
        <td class="quantity">{{row.BoardsSum}}</td>
        <td class="quantity">{{format-number row.BoardFeetSum
precision=2}}</td>
        <td><input type="checkbox" disabled={{eq row.BoardsSum
0}}></td>
      </tr>
   {{/each}}
   </tbody>
</table>
```

Debugging

log and debugger

<u>index.hbs</u>

```
<table class="table">
   <thead>
   <tr>
      <th>Dimension</th>
      <th>Boards</th>
      <th>BoardFeet</th>
      <th>{{fa-icon "cogs"}}</th>
   </tr>
   </thead>
   <tbody>
   {{#each model as |row|}}
      <tr class="{{row-class row}}">
```

```
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
          {{row.DimensionName.length}}
        {{/link-to}}
      </td>
      <td class="quantity">{{row.BoardsSum}}</td>
      <td class="quantity">{{format-number row.BoardFeetSum
precision=2}}</td>
      <td><input type="checkbox" disabled={{eq row.BoardsSum
0}}></td>
    </tr>
  {{/each}}
  </tbody>
</table>
```

Add log

```
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>
    <th>{{fa-icon "cogs"}}</th>
  </tr>
  </thead>
  <tbody>
  {{#each model as |row|}}
    <tr class="{{row-class row}}">
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
          {{log row.DimensioName}}
          {{log row.DimensioName.length}}
        {{/link-to}}
      </td>
      <td class="quantity">{{row.BoardsSum}}</td>
      <td class="quantity">{{format-number row.BoardFeetSum
precision=2}}</td>
      <td><input type="checkbox" disabled={{eq row.BoardsSum
0}}></td>
    </tr>
  {{/each}}
  </tbody>
</table>
```

Add debugger

It will add break point

```handlebars
<table class="table">
  <thead>
  <tr>
    <th>Dimension</th>
    <th>Boards</th>
    <th>BoardFeet</th>
    <th>{{fa-icon "cogs"}}</th>
  </tr>
  </thead>
  <tbody>
  {{#each model as |row|}}
    <tr class="{{row-class row}}">
      <td>
        {{#link-to "production.dimension" row.DimensionID}}
                    {{log row.DimensioName.length}}
        {{/link-to}}
        {{debugger}}
      </td>
      <td class="quantity">{{row.BoardsSum}}</td>
      <td class="quantity">{{format-number row.BoardFeetSum
precision=2}}</td>
      <td><input type="checkbox" disabled={{eq row.BoardsSum
0}}></td>
    </tr>
  {{/each}}
  </tbody>
</table>
```

Use below in console:

1. *row*
2. *get("row")*
3. *get("row").DimensionName*

When you click dimension it will move to details.
 Update routes→production→dimension.js

dimension.js

```javascript
import Ember from 'ember';

export default Ember.Route.extend({
  model(params){
    //return
Ember.$.getJSON('/data/production.json'...).then(...);
    return this.modelFor('production')
      .findBy('DimensionID',parseInt(params.dimension_id));
  }
});
```