

How to Read Local JSON file in Angular

🕒 Sep 29, 2019 👤 by Pankaj Kumar



Today, I am going to create a sample application to show how to use local JSON file in Angular application. There are various ways we can use local JSON files in our Angular application.

Let' Get Started

Step 1: Create an Angular application with Angular CLI

From terminal create a new angular app

ng new read-local-json-angular

Step 2: Create JSON file with dummy data

Create any JSON file with any name, I have created a file countries.json under _files inside app folder.

```
[{"name": "Afghanistan", "code": "AF"}, {"name": "Åland Islands", "code": "AX"}, {"name": "Albania", "code": "AL"}, {"name": "Algeria", "code": "DZ"}, {"name": "American Samoa", "code": "AS"}, {"name": "Andorra", "code": "AD"}, {"name": "Angola", "code": "AO"}, {"name": "Anguilla", "code": "AI"}, {"name": "Antarctica", "code": "AQ"}, {"name": "Antigua and Barbuda", "code": "AG"}, {"name": "Argentina", "code": "AR"}, {"name": "Armenia", "code": "AM"}, {"name": "Aruba", "code": "AW"}, {"name": "Australia", "code": "AU"}, {"name": "Austria", "code": "AT"}, {"name": "Azerbaijan", "code": "AZ"}, {"name": "Bahamas", "code": "BS"}, {"name": "Bahrain", "code": "BH"}]
```

INTERVIEW QUESTIONS

[NodeJS Interview Questions](#)

[ReactJS Interview Questions](#)

Angular Interview Questions

JavaScript Interview Questions

[MongoDB Interview Questions](#)

MySQL Interview Questions

AngularJS Interview Questions

Sample Application/Projects

JavaScript

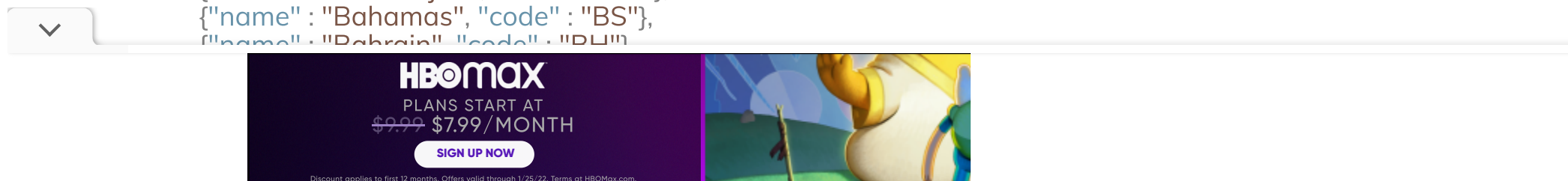
NodeJS

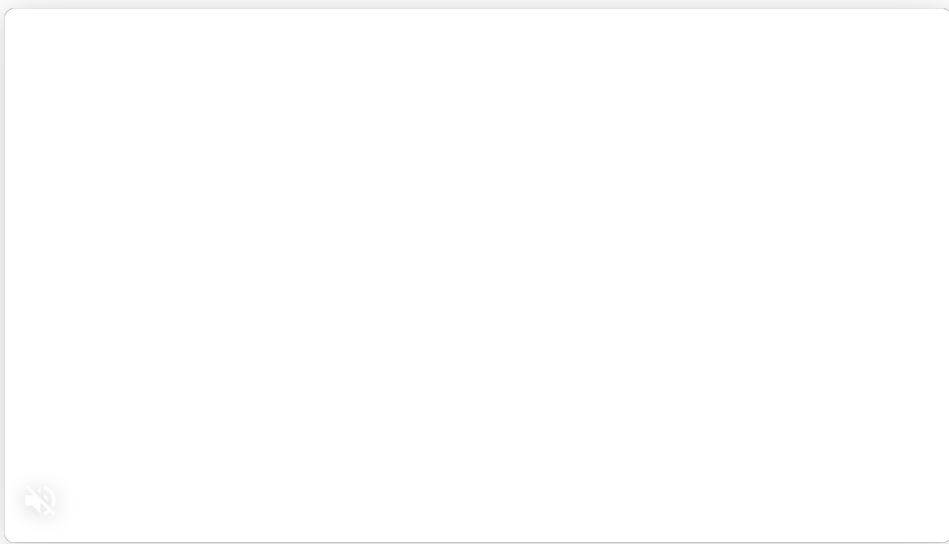
Firestore

Angular

ReactJS

[AngularJS](#)





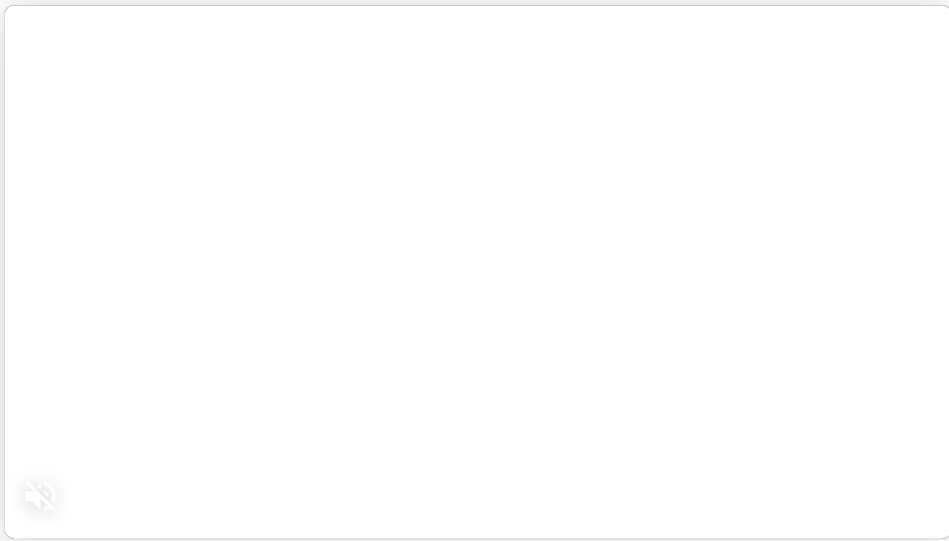
In the above, we file there is static list of countries with its name and code. Now in this app, I will show the data in app component.

Step 3: Import JSON file in the component

Update app.component.ts file, Have a look on the update app.component.ts file.

```
import { Component } from '@angular/core';
import countries from '../_files/countries.json';

@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  title = 'json-file-read-angular';
  public countryList:{name:string, code:string}[] = countries;
}
```



By default, Angular doesn't read the JSON file in the application. So we need to do some extra stuff for that. So we will create a file named 'json-typings.d.ts' inside the app folder of the project. Add below code in it.

```
declare module '*.json' {
  const value: any;
  export default value;
}
```



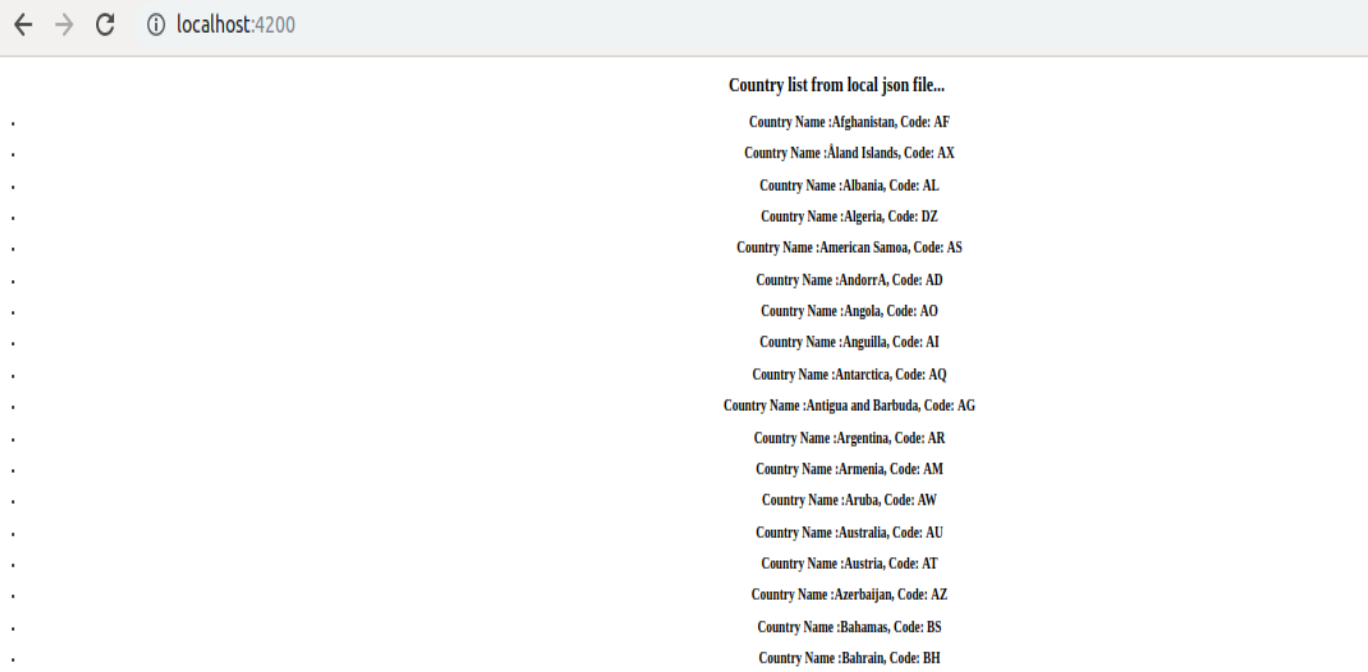
Add below code inside app.component.html file

```
<div style="text-align:center">
  <h2>
    Country list from local json file...
  </h2>
  <ul *ngFor="let item of countryList">
    <li>
      <h3>Country Name :{{item.name}}, Code: {{item.code}}</h3>
    </li>
  </ul>
</div>
```

Now all the needed change has been done.

Step 5: Run the app

Run the app with **npm start** over terminal. App will look like below over browser.



Conclusion

Using local JSON files in Angular applications is very easy, And it's very useful when we need to show some static data at front end.

If you are new to Angular 8 then find [Angular Sample Projects](#) to start the app for enterprise-level application

Let me know your thoughts over the email demo.jsonworld@gmail.com. I would



Thank You!

Find complete source code over [GitHub](#)

[Angular](#) [Javascript](#)

Find other similar Articles here:

- [Display Array Items over template in Angular Application](#)
- [Use HTTP Interceptor to Set Auth Header for API Requests with Angular](#)
- [Different ways to get form data in Angular Component](#)
- [How to Add Script Dynamically in Angular Application](#)
- [How to Use Absolute Paths For Module Imports in Angular](#)
- [Angular CLI Cheat Sheet: The CLI command An Angular Developer Should Know](#)



COPYRIGHT © 2019-2022 JSONWORLD. ALL RIGHTS RESERVED.

[About Us](#) [Contact Us](#)



PLANS START AT
~~\$9.99~~ \$7.99/MONTH

SIGN UP NOW

Discount applies to first 12 months. Offers valid through 1/25/22. Terms at HBOMax.com