Angular Core 03 - Exercises

You are given the sample project from the file **angularjs-table-app.zip**

The project is a AngularJS sample web app that display a list of users into a table.

Your main task is to convert this existing project into **Angular 6+** project.

# Exercise 01: Create an Angular App

Your very first task is to create new Angular App using Angular CLI and display **A simple web app** to the browser

**Expected output**:

The title **A simple web app** is displayed like below figure

|  |
| --- |
|  |

# Exercise 02: Add Bootstrap 4 to your app

We want to use the most popular CSS Framework Bootstrap 4.

So You have to add support to Bootstrap 4 to your newly created app and use table component of Bootstrap 4 below the title of Exercise 01

Note: you only need to add the CSS of Bootstrap 4, the javascript library is not required for this app

**Expected output**:

|  |
| --- |
|  |

# Exercise 03: Create custom service

Open **service.js** file of the AngularJS project, inside that file you have a variable called **data** which contains a list of 100 users.

Now you have to do the following:

1. Create a new Angular service called **tableService** in your Angular App
2. The newly created will return an object contains the data from above

# Exercise 04: Display the list of users

Use **tableService** from Exercise 03, to display the list of user.

**Expected output:**

|  |
| --- |
|  |

# Exercise 05: Using Filter

The table from Exercise 04 is quite nice, but we can do better.

The birthday is displayed as string, use date filter to make it display as date with format **Day/Month/Year** (Example: 01/12/2018)

**Expected output:**

|  |
| --- |
|  |

# Exercise 06: Create Custom Filter

Create a new filter that do the normalization of phone number:

1. That filter will be used on the filed Phone of User
2. It removes all the dash **(-)** and append (+84) to the phone number

**Expected output:**

|  |
| --- |
|  |

# Exercise 07: Using OrderByPipe

Now we want to add **order by** functionalities to our app

Create a multi selection box like figure below:

|  |
| --- |
|  |

Now, bind a model to the multi selection box and use that model to sort the table accordingly.

**Example**: if user chose Email then the table must be sorted by Email.

**Expect output:**

|  |
| --- |
|  |