ANGULAR JS PRACTICAL CLASS

REVISION

AngularJS is a JavaScript framework. It can be added to an HTML page with a <script> tag.

- ❏ AngularJS extends HTML attributes with Directives, and binds data to HTML with Expressions.

- ❏ AngularJS is distributed as a JavaScript file, and can be added to a web page with a script tag.

- ❏ AngularJS extends HTML with ng-directives.

- ❏ AngularJS directives are HTML attributes with an ng prefix.

- ❏ The **ng-app** directive defines an AngularJS application.

- ❏ The **ng-model** directive binds the value of HTML controls (input, select, textarea) to application data.

- ❏ The **ng-bind** directive binds application data to the HTML view.

- ❏ AngularJS binds data to HTML using Expressions.

- ❏ **AngularJS expressions** can be written inside double braces: `{{ expression }}`.

- ❏ **AngularJS expressions** can also be written inside a directive: `ng-bind="expression"`.

- ❏ **AngularJS** will "output" data exactly where the expression is written.

A SIMPLE ANGULAR JS APPLICATION

Create a folder for your Angular project and follow the steps below:

STEP 1: Add an index.html file to your angular project folder.

STEP 2: Inside your index.html file, add the html file structure i.e the doctype declaration, root html element, head and body elements.

You can either do this using the VS Code shortcut which is to type:

html:5

And click the enter button. Or you write it from scratch.

STEP 3: Inside your html head element, add a script tag to make a reference to the angular CDN. Copy the cdn link from www.angularjs.org.

STEP 4: Add a div element to your html body and add the angular directive below to it:

ng-app=""

STEP 5: In the div you created above, add 2 paragraph elements to it.

STEP 6: Add the following to the first paragraph:

First Name: <input type="text" ng-model="first_name" />

STEP 7: Add the following to the second paragraph:

Last Name: <input type="text" ng-model="last_name" />

STEP 8: Add a line break tag and a heading element of your choice.

STEP 9: Set the content of your heading to:

Full Name: {{first_name + " " + last_name}}

STEP 10: Open your webpage in your browser to see the output.

STEP 11: Add input fields for Middle Name, Email Address, Date of Birth and house address.

ASSIGNMENT

1. Create an Angular JS application that has a form with the fields below and also, a table beneath it with the below as it columns:

    (i) First Name

    (ii) Middle Name

    (iii) Last Name

    (iv) Email Address

    (v) Date of Birth

    (vi) House Address

2. Add a submit button to the form.
3. Add a functionality to your app that populates the html table with the data a user enters on the form when the submit button is clicked.