

EXPERIMENT 6

Aim: Create a simple HTML Project using AngularJS Framework and apply ng-controller, ng-model and expressions.

Theory:

- Angular JS is an open-source JavaScript framework by Google to build web applications. It can be freely used, changed, and shared by anyone.
- AngularJS is distributed as a JavaScript file, and can be added to a web page with a script tag:
`<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>`
- AngularJS extends HTML with ng-directives.
- 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
- The ng-bind directive binds the content of the <p> element to the application variable name.
- AngularJS applications are controlled by controllers.
- The ng-controller directive defines the application controller.
- A controller is a JavaScript Object, created by a standard JavaScript object constructor.
- In AngularJS, expressions are used to bind application data to HTML. AngularJS resolves the expression, and return the result exactly where the expression is written.
- Expressions are written inside double braces {{expression}}. They can also be written inside a Directive

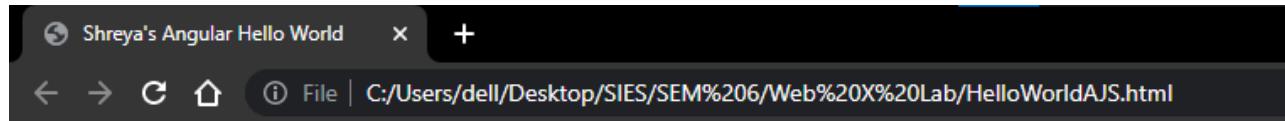
Output:

AngularJS HelloWorld

```

HelloWorldAJS.html
HelloWorldAJS.html > ...
<html>
  <head>
    <title>Shreya's Angular Hello World</title>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.3.14/angular.min.js"></script>
  </head>
  <body ng-app="myapp">
    <div ng-controller="HelloController">
      <h2>Hello {{helloTo.title}}!</h2>
    </div>
    <script>
      angular.module("myapp", [])
        .controller("HelloController", function ($scope) {
          $scope.helloTo = {};
          $scope.helloTo.title = "World, AngularJS from Shreya";
        });
    </script>
  </body>
</html>

```



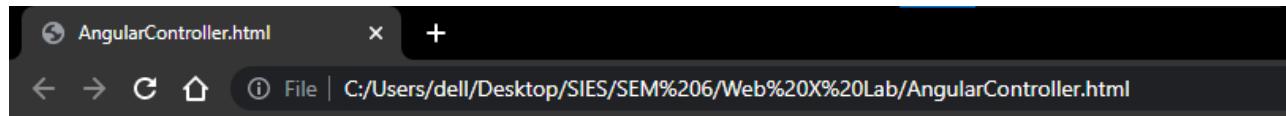
Hello World, AngularJS from Shreya!

Angular controller and function

```

AngularController.html
AngularController.html > ...
1  <html>
2   <head>
3     <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.3.14/angular.min.js">
4     </script>
5   </head>
6
7   <body>
8     <h2>AngularJS Sample Application</h2>
9     <div ng-app="mainApp" ng-controller="studentController">
10      Enter first name: <input type="text" ng-model="student.firstName"><br>
11      <br>
12      Enter last name: <input type="text" ng-model="student.lastName"><br>
13      <br>
14      You are entering: {{student. fullName()}}<br>
15    </div>
16    <script>
17      var mainApp = angular.module("mainApp", []);
18      mainApp.controller('studentController', function ($scope) {
19        $scope.student = {
20          firstName: "Shreya",
21          lastName: "Idate",
22
23          fullName: function () {
24            var studentObj;
25            studentObj = $scope.student;
26            return studentObj.firstName + " " + studentObj.lastName;
27          }
28        };
29      });
30    </script>
31  </body>
32 </html>

```



AngularJS Sample Application

Enter first name:

Enter last name:

You are entering: Shreya Idate

Conclusion:

Simple Angular JS “Hello World” Project by applying directives ng-controller,ng-modell and expressions is designed successfully.