AnGULAR JS

AngularJS is a client side JavaScript MVC framework to develop a dynamic web application.

AngularJS changes static HTML to dynamic HTML.

AngularJS can be used to create Single Page Applications.

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

AngularJS website - [https://angularjs.org](https://angularjs.org/)

**Module**

1. **Without Name**
2. <!DOCTYPE html>  
   <html>  
   <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.4/angular.min.js"></script>  
   <body>  
     
   <div ng-app="">  
     <p>Name: <input type="text" ng-model="name"></p>  
     <p ng-bind="name"></p>  
   </div>  
     
   </body>  
   </html>

**2.With Name**

The ng-app directive can also specify an application module name. This application module separates different parts of your application such as controllers, services, filters etc.

1. Example: ng-app with App Module
2. <!DOCTYPE html>
3. <html>
4. <head>
5. <title>ng-app Directive</title>
6. <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.4/angular.min.js"></script>  
   </head>
7. <body>
8. <div ng-app="myAngularApp">
9. <h1>Hi</h1>
10. </div>  
      
    <script>
11. // AngularJS modules define applications:
12. var app = angular.module('myAngularApp', []);
13. </script>
14. </body>
15. </html>

**Different ways of injecting dependency in an AngularJS Application**

1. Passing a dependency as Function Arguments
2. Passing a dependency as Array Arguments
3. Passing a dependency using the $inject service

**Passing a dependency as a Function Argument**

app.controller("ProductController", **function** ($scope) {

$scope.message = "Hey I am passed as function argument"

});

**Passing a dependency as Array Arguments:**

1.Using the Named function

**2.**Using the Inline Anonymous function

**Using the Named function**

**var** app = angular.module('app', []);

**function** ProductController($scope) {

$scope.greet = "Infragistics";

};

app.controller('ProductController', ['$scope', ProductController]);

**Using the Inline Anonymous function**

**var** app = angular.module('app', []);

app.controller('ProductController', ['$scope', '$http', **function** ($scope,$http) {

$scope.greet = "Foo is Great!"

}]);

**Passing a dependency using the $inject service**

**function** ProductController($scope){

$scope.greet = "Foo is Not Great!5";

}

ProductController.$inject = ['$scope'];

app.controller('ProductController', ProductController);