**AngularJS:**

Angular uses Jquery. If it could not able to find the Jquery it uses the jqlite (jquery like micro-library), which is packaged with the Angularjs.

Angular Scopes and Angular first two directives: ng-app and ng-controller. 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, textarea) to application data.

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

The **ng-init** directive initialize AngularJS application variables.

Use **data-ng-**, instead of **ng-**, if you want to make your page HTML5 valid.

AngularJS Expressions are written inside double braces {{ }}. AngularJS expressions bind data to HTML the same way as the ng-bind directive. AngularJS will output data exactly where the expression is written.

AngularJS applications are controlled by contollers. The **ng-controller** directive defines the controller. The controller code will execute when the page loads.

AngularJS Expressions binds data to HTML the same way as the **ng-bind** directive.

ng-init is not very common, there is better way to initialize the data. ng-app will auto-bootstrap the application.

AngularJS Controllers control the data of AngularJS application. The ng-controller directive defines the application controller.

**Example**:-

<div ng-app="">  
 <p>Name: <input type="text" ng-model="name"></p>  
 <p ng-bind="name"></p>  
</div>

Fundamental part of angular is scopes. Scopes holds the model (i.e. data) and cooperates with the controllers and they give the views everything they need.

The first scope is the application scope (ng-app), that is the scope where angular application can operate in. The second scope is ng-controller , this will determine where the controller can operate. We can have multiple controllers in the application and each controller has it’s own scope.

<div ng-controller="TestCtrl"><h1>{{title}}</h1>

<input type="text" ng-model="title">

</div>

Function name should be same as ng-controller’s value so that it can act as controller.