**Angular Js**

1. Intro:
   1. Angular js is a Java script framework.
   2. It is perfect for Single Page Application
   3. Angular js extends HTML with ng-directives
   4. The ng-app directives defines an Angular js application
   5. The ng-model directives binds the value of html control to application data
   6. The ng-bind directive binds application data to html view
2. Expressions
   1. Expressions can be written inside double braces : {{expression}}
   2. Expressions can be also be written inside a directives : ng-bind=”expression”
3. Module
   1. An angular js module defines an application
   2. The module is a container for the different parts of an application
   3. The module is a container for the application controllers
   4. Controllers always belong to a module
4. Directives
   1. Angular js lets you extend HTML with new attributes called Directives
   2. Angular js has set of built-in directives which offers functionality to your applications
   3. Angular js also lets you define your own directive using directive() method
   4. Template and restrict(E,A,C,M) are field for directives
5. Model
   1. The ng-model directives binds the value of HTML controls to application data
6. Data Binding
   1. Data binding in Angular Js is the synchronization between the model and the view
7. Controller
   1. Angular js controllers control the data of angular js applications
   2. Angular js controllers are regular Java script objects
   3. We can create controller using controller() method
8. Scopes
   1. The scope is the binding part the between the HTML (view) and the java script (controller)
   2. The scope is an object with the available properties and methods
   3. The scope is available for both the view and the controller
9. Filters
   1. Filters can be added in angular js to format data.
   2. Lowercase, uppercase, date, json, currency
   3. We can create own filter as well using filter() method
10. Services
    1. In angular js we can make our own service or use one of the many built-in services.
    2. In angular js, a service is a function, or object, that available for and limited to our angular js application
    3. Built-in service like $location or $http
11. Angular JS Ajax $http
    1. $http is angular js service for reading data from remote serves.
    2. It makes a request to the server and returns a response
    3. $http.get(), $http.post(), $http.put(), $http.delete(), $http.patch(), $http.head()
12. Angular JS Tables
    1. The ng-repeat directive is perfect for displaying tables
13. Angular JS Select
    1. Angular js lets you create dropdown lists based on items in an array, or an object
14. Angular JS DOM
    1. Angular js has directives for binding application data to the attributes of html DOM elements
    2. Ng-disabled, ng-show or ng-hide
15. Angular JS Events
    1. Angular js has its own html events directives
    2. Ng-click, ng-keydown, ng-change, ng-mousedown, ng-blur
16. Angular JS Forms
    1. Forms in angular js provides data-binding and validation of input controls
17. Angular JS Form Validation
    1. Angular js offers client-side from validation
    2. Angular js monitors the state of the form and input fields and lets you notify the user about the current state.
    3. Angular js also holds information about whether they have been touched, or modified, or not
18. Angular JS API
    1. Angular JS Gobal API is a set of global Java script functions for performing common tasks like:
       * + Comparing objects
         + Iterating objects
         + Converting data
    2. Angular.lowercase(), angular.uppercase(), angular.isString(), angular.isNumber()
19. Angular JS Includes
    1. With angular js, you can include HTML from an external file
20. Angular JS Routing
    1. The ngRoute module helps your application to become a Single Page Application