**Angular JS**

**Level - 1**

**Simple Lab Exercises: Module/Concept wise**

1. Create an Angular JS program to receive the “City Name” as the input from the user. Display the same in a div.

(Hint: use ng-model and ng-bind directives)

1. Create an Angular JS program to receive the “user name” and “City Name” as the input from the user. On entry, show both the details in uppercase and along with today’s current date in the div.

(Hint: use ng-model, ng-controller, ng-bind directives and filtering options)

1. Create an Angular JS program where a div calls a function of a controller that shows the current system data and the last modified date of the current program.

(Hint: use ng-controller and appr. JavaScript objects and functions to show current system date and last modified date)

1. Create an Angular JS program based on the requirements below:
   1. An external JS file contains a controller named “CDController” which contains a CD object that contains the properties like CDId, CDTitle, CDPrice and a function called “getAllDetails()” that returns all the properties.
   2. Link the external JS file created in step (a) to the main html page where you will take the CD inputs from the user and link it to appropriate properties of the CD object and the same is also simultaneously displayed in the div using “expressions”.
2. Create an Angular JS program based on the requirements below:
   1. A controller contains the CD Parlor name and its headoffice address. It also contains the details of multiple CDs that it has like “title” “language” “price”.
   2. The program should display all the details including multiple CD details in a tabular form.
   3. Also use CSS styles to apply zebra striping on the table.
3. Create an Angular JS program based on the requirements below:
   1. An e-retail major’s final billing page already has the billing amount (you can assume this amount). It also asks the user to enter the contest scratch code which can give the user 5%, 10%, 20% or a whopping 90% discount on the final billing amount.
   2. If the contest code is “CDMK1610” then the discount is 10%, if it is “CDMK1620” then the discount is 20%, if it is “CDMK1690” then the discount is 90%. All other codes will only get a 5% discount.
   3. Accordingly the discount has to be applied and the final billing amount should be displayed.

(Hint: Use ng-model and ng-switch, ng-switch-when, ng-default directives)

1. Create a Single Page Application(SPA) in Angular JS for the CD parlor as discussed in the previous few questions as per the requirements below:
   1. The landing/default page should be the home page where the CD parlor name, its address and the Top 5 CDs rented for the week is displayed.
   2. The home page should also provide links for “View all CDs” and “New CDs” which should navigate to their respective web pages.
   3. All the navigation should be like a Single Page Application (SPA)
2. Create an Angular JS based web application to be used by elementary/primary school kids for class activity for the day. The Web page should have a button like “Generate tables of 5”. Click on it once, it should display the text “5 X 1 = 5” in a div or a span. Another click should add to the existing text – “5 X 2 = 10”. Subsequent clicks should keep adding the next sequence till 5 X 10 = 50. Apply appropriate styling as appropriate.