**Angular JS – Day 2 (AngularJS Controller)**

**Exercises**

1. Write an Angular JS Controller to initialize two variables (name and city)and display them in H1 tags.

Name of the controller is: PersonController

Output should be:

<<name>> lives in <<city>>

2. Write an AngularJS Controller called ProductController to initialize two variables:

productName and productPrice and assign the values "Nokia Lumia 1320" and 20000.0

In <body>, display the data as follows in <h1> tag:

Nokia Lumia 1320 costs 20000.0

3. Rewrite the above code using ng-bind in <h1>

Hint: <h1 ng-bind="productName"+' costs '+ productPrice">

4. Create two controllers with the name CustomerController1 and CustomerController2.

Define the properties as follows:

In CustomerController1:

name - IBM

location - Armonk

In CustomerController2:

name - UST

location - Trivandrum

Display the properties in h1 and h2 tags.

Sample output:

Head office of IBM is Armonk

Head office of UST is Trivandrum

5. Create two controllers with the same name ProductController and initialize productName and productPrice to the following values.

Nokia Lumia 1320, 20000

Samsung Guru, 15000

In <body>, display the productName and productPrice and observe the result.

6. Create an Angular JS Controller to initialize an array "productsSold" that will

hold the product names Laptop,Mobile,Desktop.

Name of the controller is: SalesController

In the <body>, iterate this array and display the products sold as follows:

The following products were sold today:

Laptop

Mobile

Desktop

Set the view to h1 tag

7. Create an Angular JS Controller called CapitalController to intialize two variables country and capital and assign some values.

Also, define a method inside the controller called details() that will return the data in the following format:

<capital> is the capital of <country>

Example: Delhi is the capital of India

8. Rewrite the above program by moving the controller code to external .js file.

9. Initialize a numeric variable amount to 1000 in <body> with ng-init directive

Create a controller with the name PriceController that calculates the discount

as follows:

discount=amount\*(10/100);

In <body>, in <div> tag, call this controller

Display Amount, Discount and Net Amount in <h1> tags

10. Modify the above program to include the following logic in PriceController.

if amount is greater than 1000, discount should be 5%

else

discount should be 10%

11. How to display numbers from 1 to 50 using controllers using AngularJS?

Create a LoopController and write the JavaScript statement as follows:

for (var i=1;i<=50;i++)

{

$scope.no.push(i);

}

no is the numeric array that should be initialized in <body> tag with ng-init="no=[]"

Call this LoopController in <div> tag under <body>

Iterate and print the values one by one in <span> under <div>

12. Rewrite the above code by initializing the array inside LoopController

Hint:

<script>

function LoopController($scope) {

$scope.no=[];

for (var i=1;i<=50;i++)

{

$scope.no.push(i);

}

}

</script>

13. Accept two numbers from the user no1 and no2 in textfields.

Call the total() method which is defined in CalculateController.

14. Initialize a String variable with your company name. Display this in uppercase in one line and lowercase in another line using filters.

15. Initialize a numeric variable no with value 5.

Display this number:

1. In currency format with $
2. In currency format with INR
3. In number format with 2 decimal places

16. Display a date in AngularJS using date format.

Hint: You need to know the number of milliseconds elapsed for the date you want to display.

For example, 1288323623006 is the milliseconds for the date Oct 29, 2010

17. Create an EmployeeController.js file and define an array of Objects with two properties employeeName and company.

Assign some values.

In main html, iterate these objects, sort them based on employeeName and display in h1 tag.

Hint: Use orderBy filter.

18. Write an AngularJS script to demonstrate case sensitive search from a set of data.

Steps:

1. First create an external .js file (EmployeeController.js) and define an array of Object with only one property called “name”
2. From Main.html, call this controller in <body>
3. Get the input from the user in text field and bind this as model to any variable like “search”
4. In ng-repeat directive, iterate these objects.
5. Apply filter “search”

Code Snippet:

<body ng-app="" ng-controller="EmployeeController1">

<p> Enter the name please: <input type="text" ng-model="xyz"></p>

<h1 ng-repeat="x in employees|filter:xyz">

{{ x.name}}

</h1>

<script src="EmployeeController1.js">

</script>