Practical 1

Q1) Write a program in angular js to initialize the number and calculate the cube of the number.

Ans:

p1.1\_num\_cube.html

<!--

p1.1\_num\_cube.html

Author: Jagrut gala

Date: 29-06-2021

Practical: 1

Objective: Write a program in angular js to initialize the number and calculate the cube of the number.

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

</head>

<body>

<div class="root" ng-app="">

<div ng-init="num1= 5">

<p>Cube of {{num1}} is {{num1\* num1\* num1}}</p>

</div>

</div>

</body>

</html>



Q2) Write a program in angular js to initialize the array with the object. The Object consists of venue and country. Display All the values of the array in the unordered list.

Ans:

p1.2\_venue\_country.html

<!--

p1.2\_venue\_country.html

Author: Jagrut Gala

Date: 29-06-2021

Practical: 1

Objective: Write a program in angular js to initialize the array with the object. The Object consists of venue and country. Display All the values of the array in the unordered list.

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

</head>

<body>

<div class="root" ng-app="">

<div ng-init="places\_countries=[

{venue:'Mulund',country:'India'},

{venue:'New York',country:'USA'},

{venue:'Toronta',country:'Canada'},

]">

<ul>

<li ng-repeat="i in places\_countries">

{{i.venue+ ' is from '+ i.country}}

</li>

</ul>

</div>

</div>

</body>

</html>



Q3) Write a program in angular js to accept the first name from the user and display a welcome username message using ng-bind.

Ans:

p1.3\_greet\_user.html

<!--

p1.3\_greet\_user.html

Author: Jagrut Gala

Date: 29-06-2021

Practical: 1

Objective: Write a program in angular js to accept the first name from the user and display a welcome username message using ng-bind.

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>practical\_1.1</title>

<script src="..\angular.min.js"></script>

<style>

b {

color: red;

}

</style>

</head>

<body>

<div class="root" ng-app="">

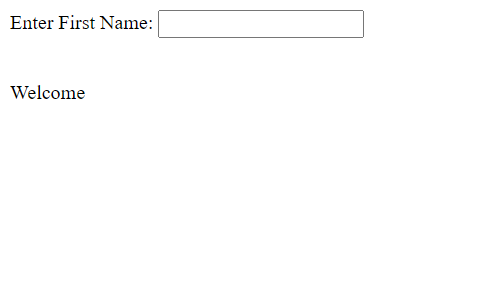
<label for="fname">Enter First Name: </label> <input type="text" id="fname" ng-model="name"> <br> <br>

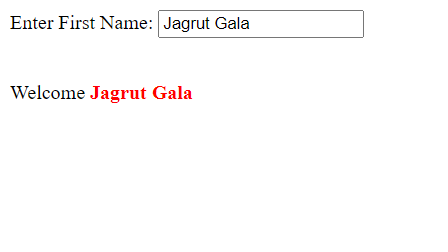
<p>Welcome <b ng-bind="name"></b></p>

</div>

</body>

</html>





Q4) Demonstrate the use of ng-show and ng-hide directives.

Ans:

p1.4\_show\_hide.html

<!--

p1.4\_show\_hide.html

Author: Jagrut Gala

Date: 29-06-2021

Practical: 1

Objective: Demonstrate the use of ng-show and ng-hide directives.

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

</head>

<body>

<div class="root" ng-app="">

<div>

<label for="show-h">Show HTML</label> <input type="checkbox" ng-model="show\_html">

<h1 ng-show="show\_html">Welcome</h1>

</div>

<div>

<label for="show-h">Hide HTML</label> <input type="checkbox" ng-model="hide\_html">

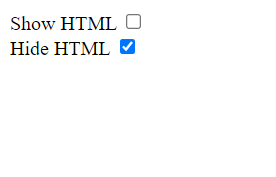
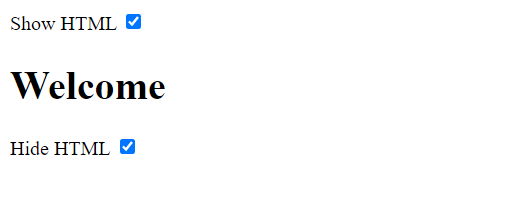
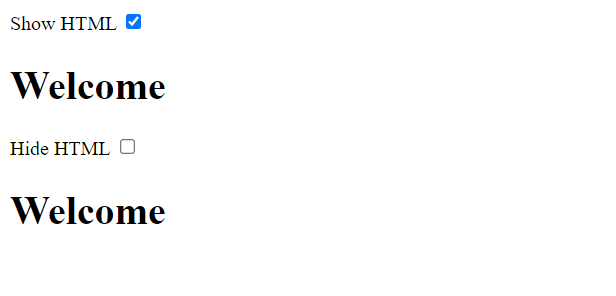
<h1 ng-hide="hide\_html">Welcome</h1>

</div>

</div>

</body>

</html>



Q5) Write a program in angular js to display a table of sports with the column sports name, the total number of likes, and a total number of dislike and like and dislike buttons on the click of like button it should increment the number of like or dislike. Initialize the table data in the js file.

Ans:

p1.5\_like\_dislike.html

<!--

p1.5\_like\_dislike.html

Author: Jagrut Gala

Date: 29-06-2021

Practical: 1

Objective: Write a program in angular js to display a table of sports with the column sports name, the total number of likes and total number of dislike and like and dislike button on click of like button it should increment the number of like or dislike. Initialize the table data in the js file.

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

<style>

table, tr, td, th {

border: 1px solid black;

border-collapse: collapse;

}

td, th {

padding: 1rem 2rem;

}

button {

padding: 0.5rem 1.5rem;

font-weight: bold;

}

</style>

</head>

<body>

<div class="root" ng-app="myapp">

<div ng-controller="sport\_ctrl">

<table>

<tr>

<th>Sport</th>

<th>Likes</th>

<th>Dislikes</th>

<th></th>

<th></th>

</tr>

<tr ng-repeat="i in sports">

<td>{{i.name}}</td>

<td>{{i.like}}</td>

<td>{{i.dislike}}</td>

<td><button ng-click="like(i)">Like</button></td>

<td><button ng-click="dislike(i)">Disklike</button></td>

</tr>

</table>

</div>

</div>

<script>

var myapp= angular.module("myapp", []);

myapp.controller("sport\_ctrl", function($scope){

$scope.sports= [

{name: 'Cricket', like: 0, dislike: 0},

{name: 'Football', like: 0, dislike: 0},

{name: 'Hockey', like: 0, dislike: 0},

{name: 'Tennis', like: 0, dislike: 0},

{name: 'E-Sport', like: 0, dislike: 0},

];

$scope.like= function(sport){

// console.log('Like');

sport.like++;

}

$scope.dislike= function(sport) {

// console.log('Dislike');

sport.dislike++;

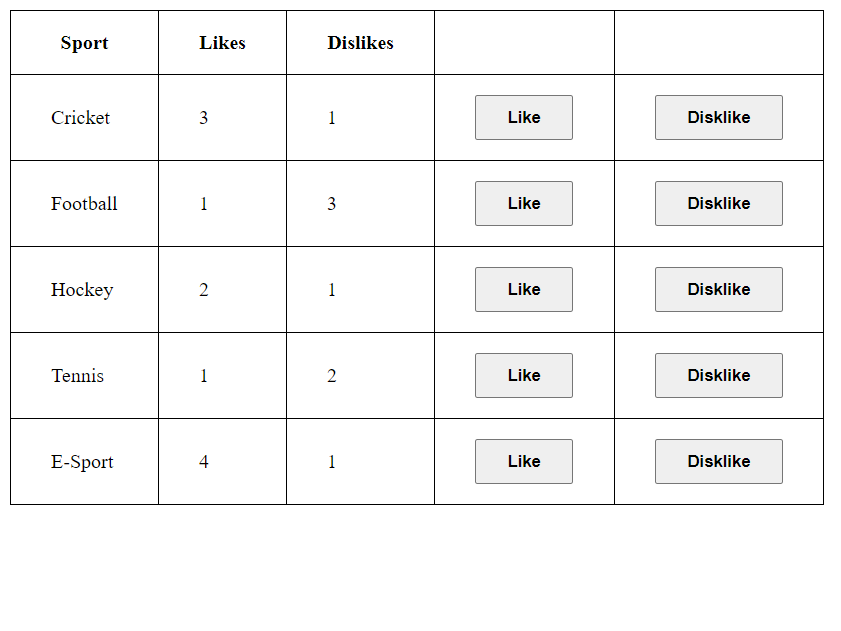
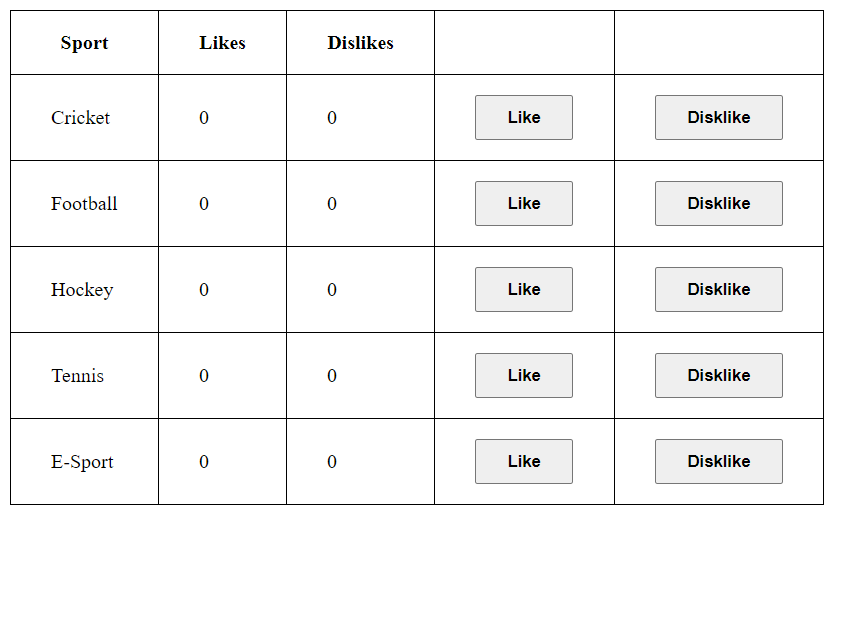
}

});

</script>

</body>

</html>



Practical 2

Q1)

Ans:

Q2)

Ans:

Q3)

Ans:

Practical 3

Q1) WAP in angular js to accept first name, salary per day and total number of working days, display first name with upper-case filter and the total salary(salary per day\*total no. of working days) use currency filter (don’t use ng-click)

Ans:

p3.1\_emp\_salary.html

<!--

p3.1\_emp\_salary.html

Author: Jagrut Gala

Date: 13-07-2021

Practical: 3

Objective: WAP in angular js to accept first name, salary per day and total number of working days, display first name with upper case filter and the total salary(salary per day\*total no. of working days) use currency filter (don’t use ng-click)

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

<style>

label {

margin-right: 1rem;

}

section {

margin: 0.5rem 0;

}

</style>

</head>

<body>

<div class="root" ng-app="">

<div>

<section>

<label for="name">Enter Your Name</label>

<input type="text" id="name" ng-model="name">

</section>

<section>

<label for="sal\_day">Salary Per Day</label>

<input type="number" id="sal\_day" ng-model="sal\_day">

</section>

<section>

<label for="work\_days">Number of Working Days</label>

<input type="number" id="work\_days" ng-model="work\_days">

</section>

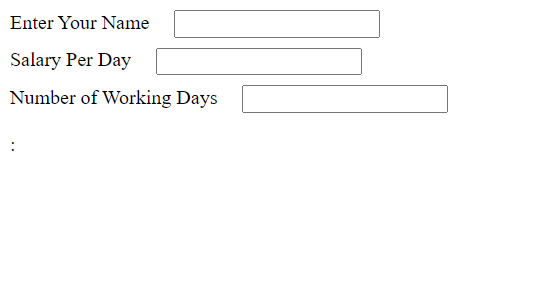
<p>{{name| uppercase}} : {{(sal\_day\* work\_days)| currency :'₹'}}</p>

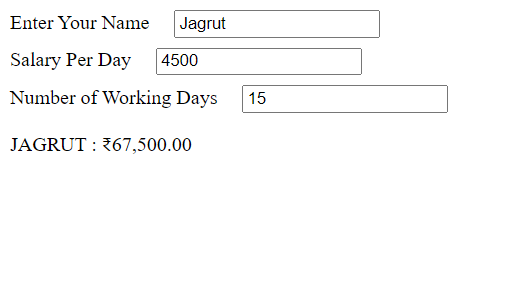
</div>

</div>

</body>

</html>





Q2) WAP in angular js to display the programming language in the ascending order and descending order using filter. Initialize the data in js file.

Ans:

p3.2\_ascend\_decend\_lang.html

<!--

p3.2\_ascend\_decend\_lang.html

Author: Jagrut Gala

Date: 13-07-2021

Practical: 3

Objective: WAP in angular js to display the programming language in the ascending order and descending order using filter. Initialize the data in js file.

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

<style>

.root {

display: flex;

}

.columns {

margin-right: 4rem;

}

</style>

</head>

<body>

<div class="root" ng-app="myapp" ng-controller="lang\_ctrl">

<section class="columns">

<h1>Ascending</h1>

<ul>

<li ng-repeat="i in languages| orderBy: 'tut'">{{i.tut}}</li>

</ul>

</section class="columns">

<section>

<h1>Descending</h1>

<ul>

<li ng-repeat="i in languages| orderBy: '-tut'">{{i.tut}}</li>

</ul>

</section>

</div>

<script>

myapp = angular.module("myapp", []);

myapp.controller("lang\_ctrl", function ($scope) {

$scope.languages = [

{"tut": "HTML"},

{"tut": "Python"},

{"tut": "Java"},

{"tut": "Android"},

{"tut": "CSS"},

{"tut": "AngularJS"},

{"tut": "ReactJs"}

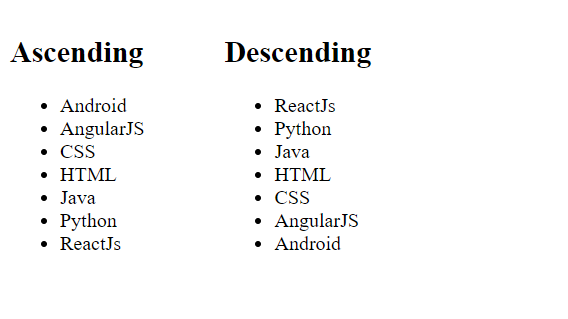
];

});

</script>

</body>

</html>



Q3) Using angularjs display the student details who are live in pune in table format (using ng-repeat directive ,use array to store data , use filter)

Ans:

p3.3\_filter\_student\_table.html

<!--

p3.3\_filter\_student\_table.html

Author: Jagrut Gala

Date: 13-07-2021

Practical: 3

Objective: Using angularjs display the student details who are live in pune in table format (using ng-repeat directive ,use array to store data , use filter)

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

<style>

table, tr, td,th {

border: 1px solid black;

border-collapse: collapse;

padding: 0.1rem 0.2rem;

}

.tables {

display: flex;

flex-direction: row;

}

.tables> \* {

margin: 1rem;

}

</style>

</head>

<body>

<div class="root" ng-app="myapp">

<div ng-controller="student\_ctrl">

<div class="tables">

<table>

<tr>

<th>Name</th>

<th>City</th>

</tr>

<tr ng-repeat="i in stud">

<td>{{i.name}}</td>

<td>{{i.city}}</td>

</tr>

</table>

<table>

<tr>

<th>Name</th>

<th>City</th>

</tr>

<tr ng-repeat="i in stud | filter: fill">

<td>{{i.name}}</td>

<td>{{i.city}}</td>

</tr>

</table>

</div>

<button type="button" ng-click="apply\_filter('pune')">Apply Filter</button>

<button type="button" ng-click="apply\_filter('')">Remove Filter</button>

</div>

</div>

<script>

myapp= angular.module("myapp", []);

myapp.controller("student\_ctrl", function($scope){

$scope.stud = [

{ name: 'Amit', city: 'pune' },

{ name: 'Sumit', city: 'pune' },

{ name: 'Rahul', city: 'mumbai' },

{ name: 'sachin', city: 'mumbai' },

];

$scope.fill= "";

$scope.apply\_filter= function(f){

$scope.fill= f;

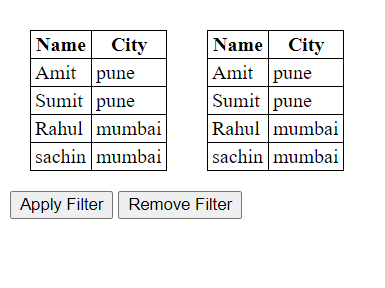
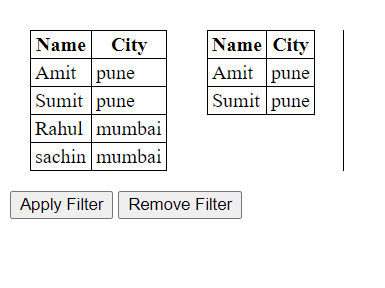
}

});

</script>

</body>

</html>



Practical 4

Q1) WAP in angular js to display tables with the column name id , title, author and price. Initialize the table data in js file . Create a dropdown menu with the option any, Id , title, author and price and a search input box. On selection of the dropdown and value entered in the input search box it should display the data into the table.

Ans:

p4.1\_book\_full\_filter.html

<!--

p4.1\_book\_full\_filter.html

Author: Jagrut Gala

Date: 13-07-2021

Practical: 4

Objective: WAP in angular js to display table with the column name id , title, author and price. Initialize the table data in js file . Create a dropdown menu with the option any, Id , title, author and price and a serach input box. On selection of the dropdown and value entered in the input search box it should display the data into the table.

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

<style>

tr, td, th {

border: 1px solid black;

border-collapse: collapse;

}

td, th {

padding: 0.2rem 0.4rem;

}

table {

box-sizing: border-box;

width: max-content;

margin: 1rem 0rem;

}

.books {

margin: auto;

}

</style>

</head>

<body>

<div class="root" ng-app="myapp">

<div ng-controller="book\_ctrl">

<div class="tools">

<select name="search\_select" id="search\_select" ng-model="searchKeyword">

<option value="$">Any</option>

<option value="id">ID</option>

<option value="title">Title</option>

<option value="price">Price</option>

</select>

<input type="text" name="search\_text" id="search\_text" ng-model="search[searchKeyword]">

</div>

<div class="books">

<table>

<tr>

<th>ID</th>

<th>Title</th>

<th>Price</th>

</tr>

<tr ng-repeat="i in bookList | filter: search">

<td>{{i.id}}</td>

<td>{{i.title}}</td>

<td>{{i.price}}</td>

</tr>

</table>

</div>

</div>

</div>

<script>

myapp= angular.module("myapp", []);

myapp.controller("book\_ctrl", function($scope){

$scope.search= {}

$scope.searchKeyword= "$";

$scope.bookList = [

{ "id": 1, "title": "Hobbit", "author": "Aman", "price": 700 },

{ "id": 2, "title": "Lord of the rings", "author": "Sameer", "price": 1000 },

{ "id": 3, "title": "Harry Porter", "author": "Anuj", "price": 650 },

{ "id": 4, "title": "The little prince", "author": "Jatin", "price": 870 },

{ "id": 5, "title": "Angels and Demons", "author": "Shivam", "price": 890 }

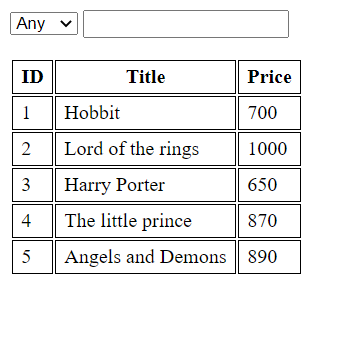
];

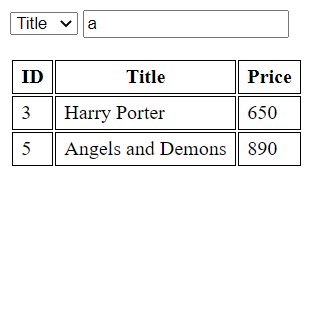
});

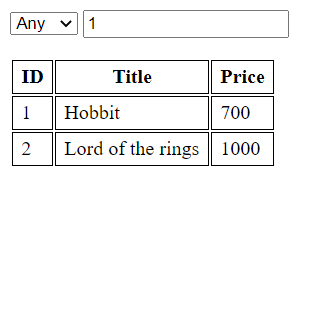
</script>

</body>

</html>







Q2) WAP in angularjs to initialize the data of employee(id,name,and salary) atleast 5 records. And use limit to filter to display first 3 record

Ans:

p4.2\_emp\_limitto.html

<!--

p4.2\_emp\_limitto.html

Author: Jagrut Gala

Date: 20-07-2021

Practical: 4

Objective: WAP in anularjs to initialize the data of employee(id,name,and salary) atleast 5 records. And use limit to filter to display first 3 record

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

<style>

table, tr, th, td {

border: 1px solid black;

border-collapse: collapse;

padding: 0.5rem 1rem;

}

table {

margin: 1rem;

}

</style>

</head>

<body>

<div class="root" ng-app="myapp" ng-controller="emp\_ctrl">

<label for="srows">No of Rows shown</label> <input type="number" name="srows" id="srows" ng-model="total">

<table>

<tr>

<th>ID</th>

<th>Name</th>

<th>Salary</th>

</tr>

<tr ng-repeat="i in employees| limitTo: total">

<td>{{i.id}}</td>

<td>{{i.name}}</td>

<td>{{i.salary}}</td>

</tr>

</table>

</div>

<script>

myapp= angular.module("myapp", []);

myapp.controller("emp\_ctrl", function($scope){

$scope.employees= [

{id: 1, name: "Lorem", salary: 20000},

{id: 2, name: "Ipsum", salary: 22000},

{id: 3, name: "Dolor ", salary: 25000},

{id: 4, name: "Amet", salary: 30000},

{id: 5, name: "Consectetur", salary: 15000},

{id: 6, name: "Lacus", salary: 35000},

{id: 7, name: "Metus", salary: 62000}

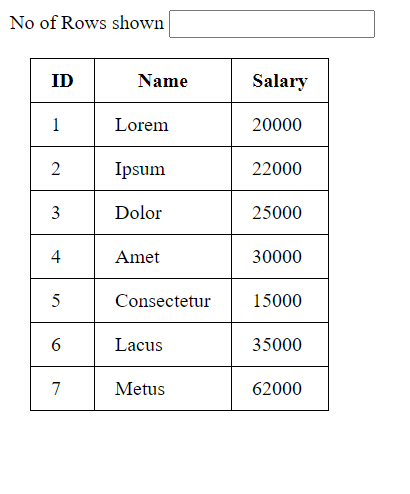
];

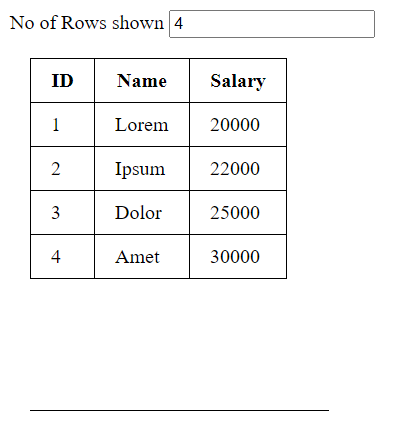
});

</script>

</body>

</html>





Q3) Demonstration of limit to filter using string and array.

Ans:

p4.3\_string\_limito.html

<!--

p4.3\_string\_limito.html

Author: Jagrut Gala

Date: 20-07-2021

Practical: 4

Objective: Demonstration of limit to filter using string and array.

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

</head>

<body>

<div class="root" ng-app="myapp" ng-controller="string\_limit\_ctrl">

<p>Static 5 Character Limit String ➞ <q >{{string | limitTo: 5}}</q></p>

<label for="string\_len">No of Characters Displayed</label>

<input type="number" name="string\_len" id="string\_len" ng-model="slen">

<p>String ➞ {{dstring| limitTo: slen}}</p>

<label for="array\_len">No of Words Displayed</label>

<input type="number" name="array\_len" id="array\_len" ng-model="alen">

<p>Array ➞ {{darray| limitTo: alen}}</p>

</div>

<script>

myapp= angular.module("myapp", []);

myapp.controller("string\_limit\_ctrl", function($scope){

$scope.string= "Pellentesque";

$scope.dstring= "Praesent vitae urna a metus ultricies elementum nec in leo";

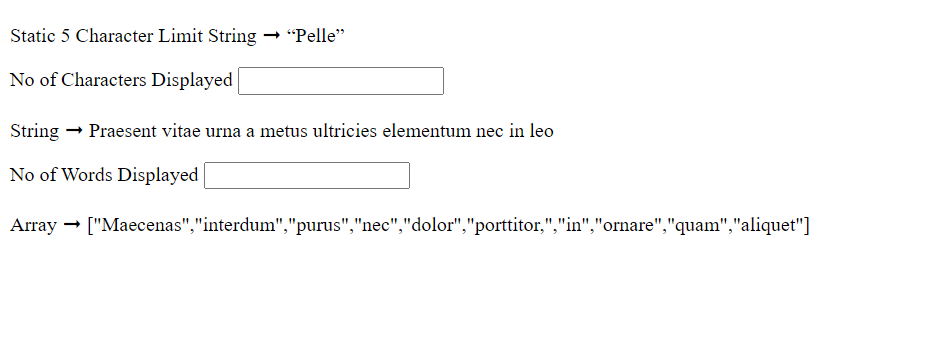
$scope.darray= "Maecenas interdum purus nec dolor porttitor, in ornare quam aliquet".split(' ');

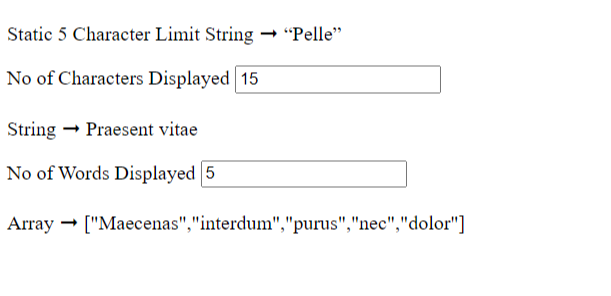
});

</script>

</body>

</html>





Q4) WAP in angularjs to initialize the data of employees. Create a custom filter to display a record of emp whose salary >5000.

Ans:

p4.4\_emp\_salary.html

<!--

p4.4\_emp\_salary.html

Author: Jagrut Gala

Date: 20-07-2021

Practical: 4

Objective: WAP in angularjs to initialize the data of employees. Create a custom filter to display a record of emp whose salary >5000.

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

<style>

table {

margin: 1rem;

border-collapse: collapse;

}

tr, th, td {

border: 1px solid black;

border-collapse: collapse;

padding: 0.5rem 1rem;

}

</style>

</head>

<body>

<div class="root" ng-app="myapp" ng-controller="sal\_ctrl">

<label for="sal">Salary</label> <input type="number" name="sal" id="sal" ng-model="sal\_limit">

<table>

<tr>

<th>ID</th>

<th>Name</th>

<th>Salary</th>

</tr>

<tr ng-repeat="i in employees| sal\_filter: sal\_limit">

<td>{{i.id}}</td>

<td>{{i.name}}</td>

<td>{{i.salary}}</td>

</tr>

</table>

</div>

<script>

myapp= angular.module("myapp", []);

myapp.filter("sal\_filter", function() {

return function(sal, limit= 5000) {

let new\_sal= new Array();

if(limit== null){

return sal;

}

for(let i=0; i<sal.length; i++){

if(sal[i].salary > limit) {

new\_sal.push(sal[i]);

}

}

return new\_sal;

}

});

myapp.controller("sal\_ctrl", function($scope){

$scope.employees= [

{id: 1, name: "Lorem", salary: 1579},

{id: 2, name: "Ipsum", salary: 7312},

{id: 3, name: "Dolor ", salary: 1384},

{id: 4, name: "Amet", salary: 9877},

{id: 5, name: "Consectetur", salary: 3040},

{id: 6, name: "Lacus", salary: 4484},

{id: 7, name: "Metus", salary: 6043}

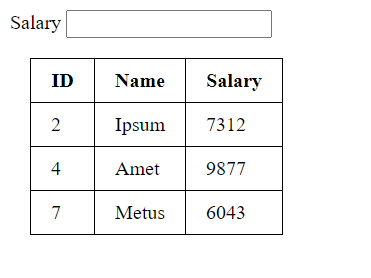
];

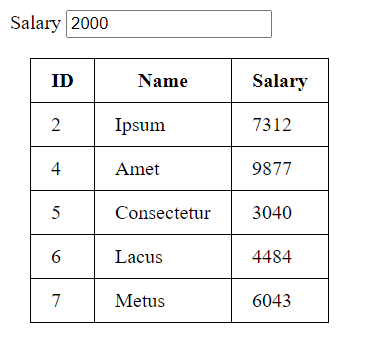
});

</script>

</body>

</html>





Practical 5

Q1) WAP in angular js to Use of ng-src. Create a food Menu List using ng-src. Create a table which displays food image, Menu Name and price.Display at least 5 Menu.

Ans:

<!--

p5.1\_src\_menu.html

Author: Jagrut Gala

Date: 20-07-2021

Practical: 5

Objective: WAP in angular js to Use of ng-src. Create a food Menu List using ng-src. Create a table which displays food image, Menu Name and price.Display at least 5 Menu.

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

<style>

img {

height: 100px;

width: 100px;

}

table, tr, th, td {

border: 1px solid black;

border-collapse: collapse;

padding: 0.5rem 1rem;

}

table {

width: 95%;

text-align: center;

margin: 1rem;

}

</style>

</head>

<body>

<div class="root" ng-app="myapp" ng-controller="menu\_ctrl">

<table>

<tr>

<th>Image</th>

<th>Name</th>

<th>Price(₹)</th>

</tr>

<tr ng-repeat="i in menu">

<td><img ng-src={{i.src}} alt="Food"></td>

<td>{{i.name}}</td>

<td>{{i.price | currency: '₹'}}</td>

</tr>

</table>

</div>

<script>

myapp= angular.module("myapp", []);

myapp.controller("menu\_ctrl", function($scope){

$scope.menu= [

{name: "Apple", src: "https://bit.ly/3eDCo1s", price: 712},

{name: "Orange", src: "https://bit.ly/3rlwO8U", price: 572},

{name: "Banana", src: "https://bit.ly/3zj1SZA", price: 831},

{name: "Strawberry", src: "https://bit.ly/3hSl62I", price: 457},

{name: "Kiwi", src: "https://bit.ly/36RSYGg", price: 591},

{name: "Water Melom", src: "https://bit.ly/3hQscEy", price: 991},

{name: "Papaya", src: "https://bit.ly/3y4yjL6", price: 700},

{name: "Cherry", src: "https://bit.ly/3rnKLTV", price: 469},

{name: "PineApple", src: "https://bit.ly/3Bnt2QY", price: 556},

];

});

</script>

</body>

</html>



Q2) WAP in angular js to display random images on every single click of images.

Ans:

p5.2\_src\_cycle\_images.html

<!--

p5.2\_src\_cycle\_images.html

Author: Jagrut Gala

Date: 10-08-2021

Practical: 5

Objective: WAP in angular js to display random images on every single click of images.

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

</head>

<body>

<div class="root" ng-app="myapp">

<div ng-controller="img\_ctrl">

<img src="{{img\_src[img\_indx]}}" alt="photo" ng-click="change\_img()">

</div>

</div>

<script>

myapp= angular.module("myapp", []);

myapp.controller("img\_ctrl", function($scope){

$scope.img\_indx= 0;

$scope.img\_src= [

"https://picsum.photos/200/300?random",

"https://picsum.photos/200",

"https://picsum.photos/id/69/200/300",

"https://picsum.photos/200/300?grayscale"

];

$scope.change\_img= function() {

$scope.img\_indx= ($scope.img\_indx+ 1)% $scope.img\_src.length;

}

});

</script>

</body>

</html>



Q3) Use of ng-include. Create an html file for asking the user to enter id and name. Create a table for input fields and displaying values. Initialize the value for ID and name in the third row Display the same. Create another file index.html , use ng-include to include table file in index.html. Also initialize the value from controller (id and name).

Ans:

p5.3\_include\_student.html

<!--

p5.3\_include\_student.html

Author: Jagrut Gala

Date: 10-08-2021

Practical: 5

Objective: Use of ng-include. Create html file for asking user to enter id and name. Create table for input field and displaying value. Initialize the value for ID and name. in third row Display the same. Create another file index.html , use nginclude to include table file in index.html. Also initialize the value from controller (id and name).

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

</head>

<body>

<div class="root" ng-app="myapp">

<div ng-controller="include\_ctrl">

<div ng-include="'p5.3.1\_student\_table.html'"></div>

</div>

</div>

<script>

myapp= angular.module("myapp", []);

myapp.controller("include\_ctrl", function($scope){

$scope.name= "Jagrut";

$scope.id= 0;

});

</script>

</body>

</html>

p5.3.1\_student\_table.html

<!--

p5.3.1\_student\_table.html

Author: Jagrut Gala

Date: 10-08-2021

Practical: 5

-->

<div>

<label for="name">Enter Name:</label> <input type="text" ng-model="name">

<br>

<table>

<tr>

<td><label for="id">Enter ID:</label></td>

<td><input type="number" id="id" ng-model="id"></td>

</tr>

<tr>

<td><label for="name">Enter Name:</label></td>

<td><input type="text" id="name" ng-model="name"></td>

</tr>

<tr>

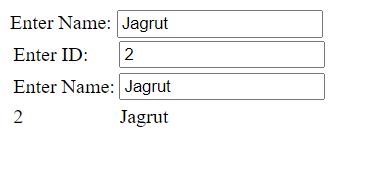
<td>{{id}}</td>

<td>{{name}}</td>

</tr>

</table>

</div>



Practical 6

Q1) WAP in angularjs to create custom service to calculate area of circle and circumference of circle.

Ans:

p6.1\_service\_circle.html

<!--

p6.1\_service\_circle.html

Author: Jagrut Gala

Date: 10-08-2021

Practical: 5

Objective: WAP in angularjs to create custom service to calculate area of circle and circumference of circle.

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

</head>

<body>

<div class="root" ng-app="myapp" ng-controller="circle\_ctrl">

<section>

<label for="radius">Enter Radius: </label> <input type="number" id="radius" step="0.1" ng-model="rad">

<button ng-click="area()">Area</button>

<button ng-click="circumference()">Circumference</button>

<p>{{ans}}</p>

</section>

</div>

<script>

myapp= angular.module("myapp", []);

myapp.factory("Circle\_fact", function(){

var fact= {};

fact.area= function(radius){

let a= 3.14\* radius\* radius;

return(a);

}

return(fact);

});

myapp.service("Circle\_ser", function(){

this.circumference= function(radius){

let c= 2\* 3.14\*radius;

return(c);

}

});

myapp.controller("circle\_ctrl", function($scope, Circle\_fact, Circle\_ser){

$scope.rad= 1;

$scope.ans= "";

$scope.area= function(){

$scope.ans= "Area of Circle = "+ Circle\_fact.area($scope.rad);

}

$scope.circumference= function(){

$scope.ans= "Circumference of Circle = "+ Circle\_ser.circumference($scope.rad);

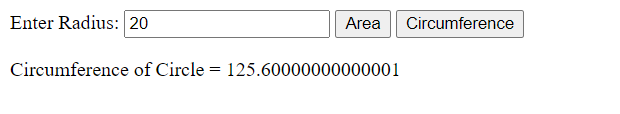
}

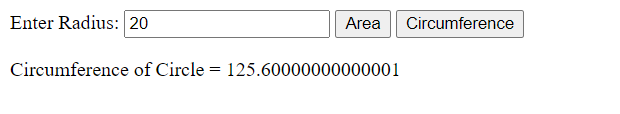
});

</script>

</body>

</html>





Q2) WAP to accept customer name, mobile number, product item, quantity as well as price and on click of display button display total amount.(using services)

Ans:

p6.2\_customer\_invoice.html

<!--

p6.2\_customer\_invoice.html

Author: Jagrut Gala

Date: 24-08-2021

Practical: 6

Objective: WAP to accept customer name, mobile number, product item, quantity as well as price and on click of display button display total amount.(using services)

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="..\angular.min.js"></script>

<style>

.root {

display: flex;

flex-direction: column;

justify-content: center;

align-items: center;

}

.root> \* {

margin-top: 1rem;

}

table {

border-collapse: collapse;

}

table, tr, th, td {

border: 1px solid black;

padding: 0.2rem 0.5rem;

}

input, select {

border: 0;

}

</style>

</head>

<body>

<div class="root" ng-app="myapp" ng-controller="customer\_ctrl">

<h1>Customer Invoice</h1>

<section class="content">

<table>

<tr>

<th>Name</th>

<th>Contact</th>

<th>Item</th>

<th>Price</th>

<th>Quantity</th>

</tr>

<tr>

<th><input type="text"></th>

<th><input type="number"></th>

<th>

<select ng-model="selected\_item" ng-options="i as i.name for i in items track by i.id"></select>

</th>

<th><span>{{selected\_item.price}}</span></th>

<th><input type="number" ng-model="quantity"></th>

</tr>

</table>

</section>

<button ng-click="total()">Total</button>

<p>Final Price: <b>{{final\_price| currency:'₹'}}</b></p>

</div>

<script>

myapp= angular.module("myapp", []);

myapp.service("TotalService", function(){

this.total= function (price, quantity) {

return price\* quantity;

}

});

myapp.controller('customer\_ctrl', function($scope, TotalService){

$scope.items= [

{id: 0, name: "Bread", price: 35},

{id: 1, name: "Blood", price: 420},

{id: 2, name: "Berry", price: 20},

{id: 3, name: "Banana", price: 69},

{id: 4, name: "Burger", price: 50},

];

$scope.selected\_item= {id: 0, name: "Bread", price: 35};

$scope.quantity= 1;

$scope.total= function () {

$scope.final\_price= TotalService.total($scope.selected\_item.price, $scope.quantity)

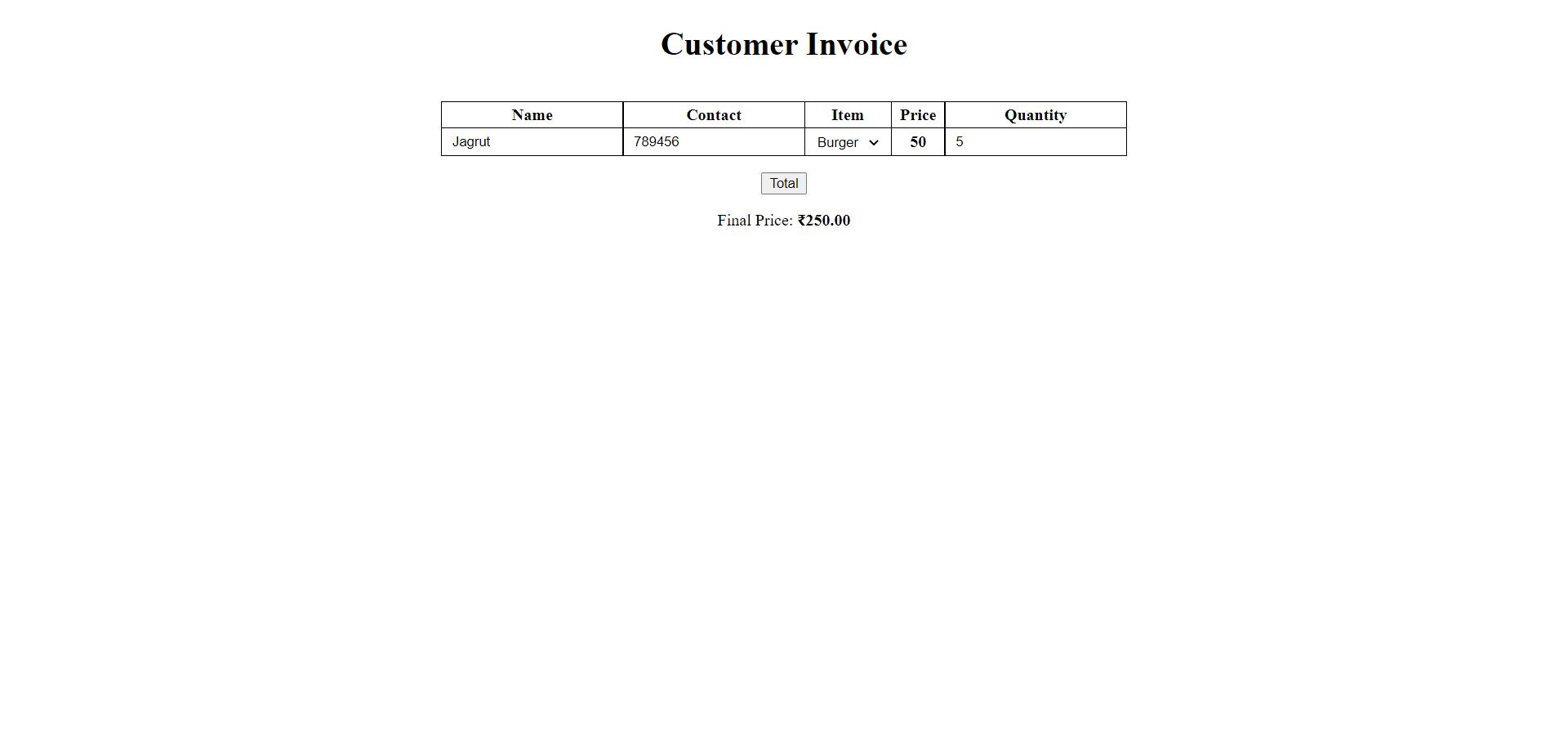
}

});

</script>

</body>

</html>



Practical 7

Q1) Write a program in angularjs Use of router.Crate following page

Technical Language

Home Page(Display institute name and list of language example:java,html,php(at least 3))

Html Page(Display some information or image)

Same for the other two pages.

Ans:

p7.1\_route.html

<!--

p7.1\_route.html

Author: Jagrut Gala

Date: 24-08-2021

Practical: 7

Objective: Write a program in angularjs Use of router.Crate following page

Technical Language

Home Page(Display institute name and list of language example:java,html,php(atleast 3))

Html Page(Display some information or image)

Same for other two pages.

-->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<script src="../angular.min.js"></script>

<script src="../angular-route.min.js"></script>

</head>

<body>

<div class="root" ng-app="myapp" ng-controller="routing\_ctrl">

<section>

<img src="https://picsum.photos/200" alt="logo">

<h1>Welcome To Jagrut Incorporated</h1>

<ul style="list-style: none;">

<li><a href="#!/">Home</a></li>

<li><a href="#!/page1">Page1</a></li>

<li><a href="#!/page2">Page2</a></li>

<li><a href="#!/page3">Page3</a></li>

<li><a href="#!/page4">Page4</a></li>

</ul>

</section>

<div ng-view></div>

<div ng-view></div>

</div>

<script>

myapp= angular.module("myapp", ["ngRoute"]);

myapp.config(["$routeProvider", function($routeProvider) {

$routeProvider

.when('/page1', {

template: '<h1>This is Page1</h1>',

})

.when('/page2', {

template: '<h1>This is Page2</h1>',

})

.when('/page3', {

template: '<h1>This is Page3</h1>',

})

.when('/page4', {

template: '<h1>This is Page4</h1>',

})

.otherwise({

redirectTo: '/',

});

}]);

myapp.controller("routing\_ctrl", function($scope){

});

</script>

</body>

</html>

