

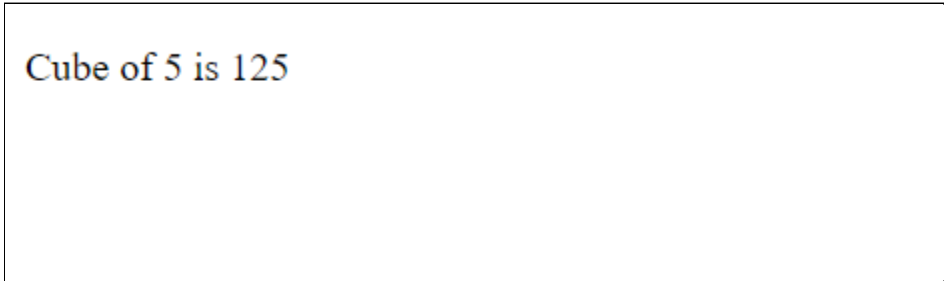
Practical 1

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>
```



Cube of 5 is 125

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:'Toronto',country:'Canada'},
]">
```



```
<li ng-repeat="i in places_countries">
  {{i.venue+ ' is from '+ i.country}}
```


</div>

</div>

</body>

</html>

- Mulund is from India
- New York is from USA
- Toronta is from Canada

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>
```

Enter First Name:

Welcome

Enter First Name:

Welcome **Jagrut Gala**

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>
```

Show HTML ☐

Hide HTML ☐

Welcome

Show HTML ☒

Welcome

Hide HTML ☐

Welcome

Show HTML ☒

Welcome

Hide HTML ☒

Show HTML ☐

Hide 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>
```

Sport	Likes	Dislikes		
Cricket	0	0	<input type="button" value="Like"/>	<input type="button" value="Disklike"/>
Football	0	0	<input type="button" value="Like"/>	<input type="button" value="Disklike"/>
Hockey	0	0	<input type="button" value="Like"/>	<input type="button" value="Disklike"/>
Tennis	0	0	<input type="button" value="Like"/>	<input type="button" value="Disklike"/>
E-Sport	0	0	<input type="button" value="Like"/>	<input type="button" value="Disklike"/>

Sport	Likes	Dislikes		
Cricket	3	1	Like	Disklike
Football	1	3	Like	Disklike
Hockey	2	1	Like	Disklike
Tennis	1	2	Like	Disklike
E-Sport	4	1	Like	Disklike

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>
```

Enter Your Name

Salary Per Day

Number of Working Days

:

Enter Your Name

Salary Per Day

Number of Working Days

JAGRUT : ₹67,500.00

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>
</body>
</html>
```

```
</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>
```

Ascending

- Android
- AngularJS
- CSS
- HTML
- Java
- Python
- ReactJs

Descending

- ReactJs
- Python
- Java
- HTML
- CSS
- AngularJS
- Android

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>

Name	City
Amit	pune
Sumit	pune
Rahul	mumbai
sachin	mumbai

Name	City
Amit	pune
Sumit	pune

Name	City
Amit	pune
Sumit	pune
Rahul	mumbai
sachin	mumbai

Name	City
Amit	pune
Sumit	pune
Rahul	mumbai
sachin	mumbai

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 },
```

```
"price": 650 },
"price": 870 },
"price": 890 }
];
});
</script>
</body>
</html>
```

```
{ "id": 3, "title": "Harry Porter", "author": "Anuj",
{ "id": 4, "title": "The little prince", "author": "Jatin",
{ "id": 5, "title": "Angels and Demons", "author": "Shivam",
```

Any ▾

ID	Title	Price
1	Hobbit	700
2	Lord of the rings	1000
3	Harry Porter	650
4	The little prince	870
5	Angels and Demons	890

Title ▾ a

ID	Title	Price
3	Harry Porter	650
5	Angels and Demons	890

Any ▾ 1

ID	Title	Price
1	Hobbit	700
2	Lord of the rings	1000

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>
```

No of Rows shown

ID	Name	Salary
1	Lorem	20000
2	Ipsum	22000
3	Dolor	25000
4	Amet	30000
5	Consectetur	15000
6	Lacus	35000
7	Metus	62000

No of Rows shown

ID	Name	Salary
1	Lorem	20000
2	Ipsum	22000
3	Dolor	25000
4	Amet	30000

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>
```

Static 5 Character Limit String → “Pelle”

No of Characters Displayed

String → Praesent vitae urna a metus ultricies elementum nec in leo

No of Words Displayed

Array → ["Maecenas","interdum","purus","nec","dolor","porttitor","in","ornare","quam","aliquet"]

Static 5 Character Limit String → “Pelle”

No of Characters Displayed

String → Praesent vitae

No of Words Displayed

Array → ["Maecenas","interdum","purus","nec","dolor"]

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>
```

Salary

ID	Name	Salary
2	Ipsum	7312
4	Amet	9877
7	Metus	6043

Salary

ID	Name	Salary
2	Ipsum	7312
4	Amet	9877
5	Consectetur	3040
6	Lacus	4484
7	Metus	6043

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></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/3rlw08U", 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 Melon", 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>
```

Image	Name	Price(₹)
	Apple	₹712.00
	Orange	₹572.00
	Banana	₹831.00
	Strawberry	₹457.00
	Kiwi	₹591.00
	Water Melon	₹991.00
	Papaya	₹700.00
	Cherry	₹469.00
	PineApple	₹556.00

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">

</div>

</div>

<script>

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

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

\$scope.img_idx= 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_idx= (\$scope.img_idx+ 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>
```

Enter Name:	<input type="text" value="Jagrut"/>
Enter ID:	<input type="text" value="2"/>
Enter Name:	<input type="text" value="Jagrut"/>
2	Jagrut

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>
```

Enter Radius:

Circumference of Circle = 125.60000000000001

Enter Radius:

Circumference of Circle = 125.60000000000001

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},
      ];
    });
  </script>

```

```
        $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>
```

Customer Invoice

Name	Contact	Item	Price	Quantity
Jagrut	789456	Burger ▾	50	5

Total

Final Price: ₹250.00

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>
```

```

```

```
<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>
```



Welcome To Jagrut Incorporated

[Home](#)

[Page1](#)

[Page2](#)

[Page3](#)

[Page4](#)



Welcome To Jagrut Incorporated

[Home](#)

[Page1](#)

[Page2](#)

[Page3](#)

[Page4](#)

This is Page2

This is Page2



Welcome To Jagrut Incorporated

[Home](#)

[Page1](#)

[Page2](#)

[Page3](#)

[Page4](#)

This is Page3

This is Page3

