

PRACTICAL ASSIGNMENT

1. Write an angular code to implement Array Expression.

Code :-

```
<!DOCTYPE html>
<html lang="en-US">
  <script src="angular.min.js"></script>
  <body>
    <h4>IU2253000095</h4>
    <div ng-app="" ng-init="points=[1,15,19,2,40]">
      <p>The Third Results is <span ng-bind="points[2]"></span></p>
    </div>
  </body>
</html>
```

Output :-

IU2253000095

The Third Results is 19

2. Write an angular code to implement Number Expression.**Code :-**

```
<!DOCTYPE html>
<html lang="en-US">
<script src="angular.min.js"></script>
<body>
<h4>IU2253000095</h4>
<div ng-app="" ng-init="quantity=1;cost=5">
<p>Total in dollar : {{quantity * cost}}</p>
</div>
</body>
</html>
```

Output :-

IU2253000095

Total in dollar : 5

3. Write an angular code to implement Object Expression.**Code :-**

```
<!DOCTYPE html>
<html lang="en-US">
<script src="angular.min.js"></script>
<body>
  <h4>IU2253000095</h4>
  <div ng-app="" ng-init="person={firstname:'chodvadiya',lastname:'shweta'}">
    <p>The name is <span ng-bind="person.lastname"></span></p>
  </div>
</body>
</html>
```

Output :-**IU2253000095**

The name is shweta

4. Write an angular code to implement String Expression.**Code :-**

```
<!DOCTYPE html>
<html lang="en-US">
<script src="angular.min.js"></script>
<body>
  <h4>IU2253000095</h4>
  <div ng-app="" ng-init="firstname='chodvadiya';lastname='shweta'">
    <p>The full name is: <span ng-bind="firstname+' '+lastname"></span></p>
  </div>
</body>
</html>
```

Output :-**IU2253000095**

The full name is: chodvadiya shweta

5. Write an angular code to implement Controller Arguments.

Code :-

```
<!DOCTYPE html>
<html lang="en-US">
<script src="angular.min.js"></script>
<body>
    <h4>IU2253000095</h4>
    <script>
        var app=angular.module('app',[]);
        app.controller('mycontroller',['$scope',function($scope)
        {
            $scope.language='Hindi';
            $scope.Preference=function(lang)
            {
                $scope.language=lang;
            };
            $scope.Preference1=function(lang,lang1)
            {
                $scope.language=lang;
                $scope.language1=lang1;
            };
        }]);
    </script>
    <h2>Attach functions or behavior with arguments-AngularJS</h2>
    <div ng-app="app" ng-controller="mycontroller">
        <button ng-click="Preference('English')">English</button>
        <button ng-click="Preference('Hindi')">Hindi</button>
        <button ng-click="Preference('Spanish')">Spanish</button>
        <button ng-click="Preference1('French','and Hindi language also.')">French</button>
        <P>I like {{language}} language {{language1}}</P>
    </div>
</body>
</html>
```

Output :-

IU2253000095

Attach functions or behavior with arguments-AngularJS

I like English language

IU2253000095

Attach functions or behavior with arguments-AngularJS

I like Hindi language

IU2253000095

Attach functions or behavior with arguments-AngularJS

I like Spanish language and Hindi language also.

IU2253000095

Attach functions or behavior with arguments-AngularJS

I like French language and Hindi language also.

6. Write an angular code to implement Mouse Click Event.**Code :-**

```
<!DOCTYPE html>
<html lang="en-US">
<script src="angular.min.js"></script>
<body>
    <h4>IU2253000095</h4>
    <div ng-app="myapp">
        <div ng-controller="mycontroller">
            Enter Name:<input type="text" ng-model="text"/><br/><br/>
            <button ng-click="Display(text)">Show Message</button>
        </div>
        <script>
            var x=angular.module('myapp',[]);
            x.controller("mycontroller",function($scope,$window)
            {
                $scope.Display=function(v)
                {
                    alert(v);
                }
            });
        </script>
    </div>
</body>
</html>
```

Output :-

IU2253000095

Enter Name:

NAME :- SHWETA B. CHODVADIYA

ENROLLMENT NO. :- IU2253000095

SUBJECT :- WEB TECHNOLOGY USING FRAMEWORK

IU2253000095

Enter Name:



7. Write an angular code to implement Style Directives.**Code :-**

```
<!DOCTYPE html>
<html lang="en-US">
<script src="angular.min.js"></script>
<body>
    <h4>IU2253000095</h4>
    <div ng-app="myapp" ng-controller="myctrl">
        <h1 ng-style="myobj">Welcome</h1>
        <script>
            var app=angular.module("myapp",[]);
            app.controller("myctrl",function($scope)
            {
                $scope.myobj={"color":"white","background-color":"coral","font-size":"50px"
                    ,"padding":"20px"}
            });
        </script>
    </div>
</body>
</html>
```

Output :-

IU2253000095



Welcome

8. Write an angular code to implement Order By Filter.

Code :-

```
<!DOCTYPE html>
<html>
  <head>
    <script src="angular.min.js"></script>
  </head>
  <body>
    <h4>IU2253000095</h4>
    <div ng-app="myapp" ng-controller="orderctrl">
      <h1 style="color: coral">Shweta</h1>
      <h3>AngularJS orderBy Filter</h3>
      <ul>
        <li ng-repeat="x in customers | orderBy : 'name'">
          {{x.name + ","+x.city}}
        </li>
      </ul>
    </div>
    <script>
      var app=angular.module('myapp',[]);
      app.controller('orderctrl', function($scope)
      {
        $scope.customers=[
        {
          "name" : "Shweta",
          "city": "Ahmedabad"
        },
        {
          "name" : "Nikunj",
          "city": "Rajkot"
        },
        {
          "name" : "Nupur",
          "city": "Bavla"
        }];
      });
    </script>
    <p>The array items are arranged by "name".</p>
  </body>
</html>
```

Output :-

IU2253000095

Shweta

AngularJS orderBy Filter

- Nikunj,Rajkot
- Nupur,Bavla
- Shweta,Ahmedabad

The array items are arranged by "name".

9. Write an angular code to implement Filter in Directives.

Code :-

```
<!DOCTYPE html>
<html>
<head>
    <script src="angular.min.js"></script>
</head>
<body>
    <h4>IU2253000095</h4>
    <div ng-app="myapp" ng-controller="namesctrl">
        <p>Looping with objects:</p>
        <ul>
            <li ng-repeat="x in names | orderBy:'country'">
                {{x.name +',' +x.country}}
            </li>
        </ul>
    </div>
    <script>
        angular.module('myapp',[]).controller('namesctrl',function($scope)
        {
            $scope.names=[
                {name:'Jaya',country:'India'},
                {name:'Rekha',country:'Tanzania'},
                {name:'Sushma',country:'Europ'},
                {name:'Sabki Pasand',country:'Canada'},
                {name:'Nirma',country:'USA'},
            ];
        });
    </script>
</body>
</html>
```

Output :-

IU2253000095

Looping with objects:

- Sabki Pasand,Canada
- Sushma,Europ
- Jaya,India
- Rekha,Tanzania
- Nirma,USA

10. Write an angular code to implement Date Filter.

Code :-

```
<!DOCTYPE html>
<html>
<head>
    <title>Date Filter</title>
    <script src="angular.min.js"></script>
</head>
<body>
    <h4>IU2253000095</h4>
    <div ng-app="gfgApp" ng-controller="dateCntrl">
        <p>{{today | date : "dd.MM.yy"}}</p>
    </div>
    <script>
        var app=angular.module('gfgApp',[]);
        app.controller('dateCntrl',function($scope)
        {
            $scope.today = new Date();
        });
    </script>
</body>
</html>
```

Output :-

IU2253000095

05.11.2022

11. Write an angular code to implement Customer Filter.

Code :-

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <title>Example - example-filter-reverse-production</title>
    <script src="angular.min.js"></script>
    <script src="script.js"></script>
  </head>
  <body ng-app="ReverseFilter">
    <h4>IU2253000095</h4>
    <div ng-controller="ReverseController">
      <input ng-model="msg" type="text"><br>
      Content with No filter: {{msg}}<br>
      Content after Reverse filter: {{msg|reverse}}<br>
      Content after Reverse Filter in uppercase: {{msg|reverse:true}}<br>
    </div>
  </body>
  <script>
    (function(angular)
    {
      'use strict';
      angular.module('ReverseFilter', []).filter('reverse', function()
      {
        return function(input, uppercase)
        {
          input = input || '';
          var out = '';
          for (var x = 0; x < input.length; x++)
          {
            out = input.charAt(x) + out;
          }
          if (uppercase)
          {
            out = out.toUpperCase();
          }
          return out;
        };
      }).controller('ReverseController', ['$scope', 'reverseFilter', function($scope,
        reverseFilter)
      {

```

```
$scope.msg = 'angular';
$scope.filteredMessage = reverseFilter($scope.msg);
}]);
})
(window.angular);
</script>
</html>
```

Output :-

IU2253000095

Content with No filter: shweta

Content after Reverse filter: atewhs

Content after Reverse Filter in uppercase: ATEWHS

12. Write an angular code to implement Number Filter.

Code :-

```
<!DOCTYPE html>
<html>
<head>
    <script src="angular.min.js"></script>
</head>
<body ng-app>
    <h4>IU2253000095</h4>
    <h1>angularjs number filter demo:</h1>
    Enter Price:<input type="number" ng-model="Price"/><br/>
    100000 | number = {{100 | number}} <br/>
    Price | number = {{Price | number}} <br/>
    Price | number:3 = {{Price | number:3}} <br/>
    Price | number = <span ng-bind="Price | number"></span>
</body>
</html>
```

Output :-

IU2253000095

angularjs number filter demo:

Enter Price: 1543
100000 | number = 100
Price | number = 1,543
Price | number:3 = 1,543.000
Price | number = 1,543

13. Write an angular code to implement Filter.

Code :-

```
<html>
  <head>
    <script src="angular.min.js"></script>
  </head>
  <body>
    <h4>IU2253000095</h4>
    <div ng-app="details" ng-controller="studentcontroller">
      Enter subject:<input type="text" ng-model="subjectName">
      <ul>
        <li ng-repeat="subject in student.subjects | filter: subjectName">
          {{subject.name + ' marks:' + subject.marks}}
        </li>
      </ul>
    </div>
    <script>
      var details=angular.module("details",[]);
      details.controller('studentcontroller',function($scope)
      {
        $scope.student=
        {
          subjects:[
            {name:'English',marks:85},
            {name:'Math',marks:90},
            {name:'Physics',marks:80},
            {name:'Chemistry',marks:75},]
        };
      });
    </script>
  </body>
</html>
```

Output :-

IU2253000095

Enter subject:

- English marks:85
- Math marks:90
- Physics marks:80
- Chemistry marks:75

IU2253000095

Enter subject: Math

- Math marks:90

14. Write an angular code to implement Currency Filter.

Code :-

```
<!DOCTYPE html>
<html>
<script src= "angular.min.js"></script>
<body>
<h4>IU2253000095</h4>
<div ng-app="" >
    Salary: <input type="number" ng-model="salary">
    <p>Total = {{salary | currency }}</p>
</div>
</body>
</html>
```

Output :-

IU2253000095

Salary: ▼

Total = \$43,000.00

15. Write an angular code to implement Service.

Code :-

```
<html>
  <head>
    <title>Angular JS Services</title>
    <script src ="angular.min.js"></script>
  </head>
  <body>
    <h4>IU2253000095</h4>
    <h2>AngularJS Sample Application</h2>
    <div ng-app = "mainApp" ng-controller = "CalcController">
      <p>Enter a number: <input type = "number" ng-model = "number" /></p>
      <button ng-click = "square()">X2</sup></button>
      <p>Result: {{result}}</p>
    </div>
    <script>
      var mainApp = angular.module("mainApp", []);
      mainApp.factory('MathService', function()
      {
        var factory = {};
        factory.multiply = function(a, b)
        {
          return a * b
        }
        return factory;
      });
      mainApp.service('CalcService', function(MathService)
      {
        this.square = function(a)
        {
          return MathService.multiply(a,a);
        }
      });
      mainApp.controller('CalcController', function($scope, CalcService)
      {
        $scope.square = function()
        {
          $scope.result = CalcService.square($scope.number);
        }
      });
    </script>
  </body>
```

</html>

Output :-

IU2253000095

AngularJS Sample Application

Enter a number:

Result: 3025

16. Write an angular code to implement FSP.

Code :-

```
<html>
  <head>
    <title>AngularJS Dependency Injection</title>
    <script src="angular.min.js"></script>
  </head>
  <body>
    <h4>IU2253000095</h4>
    <h2>AngularJS Sample Application</h2>
    <div ng-app = "mainApp" ng-controller = "CalcController">
      <p>Enter a number: <input type = "number" ng-model = "number" /></p>
      <button ng-click = "square()">X2</sup></button>
      <p>Result: {{result}}</p>
    </div>
    <script>
      var mainApp = angular.module("mainApp", []);
      mainApp.config(function($provide)
      {
        $provide.provider('MathService', function()
        {
          this.$get = function()
          {
            var factory = {};
            factory.multiply = function(a, b)
            {
              return a * b;
            }
            return factory;
          };
        });
      });
      mainApp.value("defaultInput", 5);
      mainApp.factory('MathService', function()
      {
        var factory = {};
        factory.multiply = function(a, b)
        {
          return a * b;
        }
        return factory;
      });
    </script>
```

```

mainApp.service('CalcService', function(MathService)
{
  this.square = function(a)
  {
    return MathService.multiply(a,a);
  }
});

mainApp.controller('CalcController', function($scope, CalcService,
defaultInput)
{
  $scope.number = defaultInput;
  $scope.result = CalcService.square($scope.number);
  $scope.square = function()
  {
    $scope.result = CalcService.square($scope.number);
  }
});
</script>
</body>
</html>

```

Output :-

IU2253000095

AngularJS Sample ApplicationEnter a number:

Result: 100

17. Write an angular code to implement Customer Filter-1.

Code :-

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <title>Example - example-filter-reverse-production</title>
        <script src="angular.min.js"></script>
        <script src="script.js"></script>
    </head>
    <body ng-app="ReverseFilter">
        <h4>IU2253000095</h4>
        <div ng-controller="ReverseController">
            <input ng-model="msg" type="text"><br>
            Content with No filter: {{msg}}<br>
            Content after Reverse filter: {{msg|reverse}}<br>
            Content after Reverse Filter in uppercase: {{msg|reverse:true}}<br>
        </div>
    </body>
    <script>
        (function(angular)
        {
            'use strict';
            angular.module('ReverseFilter', []).filter('reverse', function()
            {
                return function(input, uppercase)
                {
                    input = input || "";
                    var out = "";
                    for (var x = 0; x < input.length; x++)
                    {
                        out = input.charAt(x) + out;
                    }
                    if (uppercase)
                    {
                        out = out.toUpperCase();
                    }
                    return out;
                };
            })
            .controller('ReverseController', ['$scope', 'reverseFilter', function($scope,
            reverseFilter)
```

```
{  
  $scope.msg = 'angular';  
  $scope.filteredMessage = reverseFilter($scope.msg);  
});  
}  
(window.angular);  
</script>  
</html>
```

Output :-

IU2253000095

nikunj

Content with No filter: nikunj

Content after Reverse filter: jnukin

Content after Reverse Filter in uppercase: JNUKIN

18. Write an angular Node.js code to Simple expressions.**Code :-**

> 10+20

Output :-

```
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Shweta>node
Welcome to Node.js v18.12.1.
Type ".help" for more information.
> 10+20
30
> |
```

19. Write an angular Node.js code to Simple expressions.**Code :-**

```
> 10+12 + (5*4)/7
```

Output :-

```
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Shweta>node
Welcome to Node.js v18.12.1.
Type ".help" for more information.
> 10+12 + (5*4)/7
24.857142857142858
> |
```

20. Write an angular Node.js code to Using variable.**Code :-**

```
a=30
30
> var b=30
undefined
> a+b
60
> console.log("shweta")
shweta
undefined
```

Output :-

```
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Shweta>node
Welcome to Node.js v18.12.1.
Type ".help" for more information.
> a=30
30
> var b=30
undefined
> a+b
60
> console.log("shweta")
shweta
undefined
> |
```

21. Write an angular Node.js code to Multiline expressions.**Code :-**

```
> var x=0
undefined
> do {
... x++;
... console.log("x: " +x);
... } while (x <10);
```

Output :-

```
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Shweta>node
Welcome to Node.js v18.12.1.
Type ".help" for more information.
> var x=0
undefined
> do {
... x++;
... console.log("x: " +x);
... } while (x <10);
x: 1
x: 2
x: 3
x: 4
x: 5
x: 6
x: 7
x: 8
x: 9
x: 10
undefined
> |
```

22. Write an angular Node.js code to Underscore Variable.**Code :-**

```
var a=30
undefined
> var b=20
undefined
> a+b
50
> var sum =_
undefined
> console.log(sum)
50
undefined
```

Output :-

```
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Shweta>node
Welcome to Node.js v18.12.1.
Type ".help" for more information.
> var a=30
undefined
> var b=20
undefined
> a+b
50
> var sum =_
undefined
> console.log(sum)
50
undefined
> |
```

23. Write an angular code to implement Ajax-routing 2.

Code :-

```
<!DOCTYPE html>
<html>
<head>
<script src="angular.min.js"></script>
<script src="angular-route.js"></script>
</head>
<body ng-app="myApp">
<p><a href="main.html">Main</a></p>
<a href="red.html">Red</a>
<a href="green.html">Green</a>
<a href="blue.html">Blue</a>
<div ng-view></div>
<script>
var app = angular.module("myApp", ["ngRoute"]);
app.config(function($routeProvider)
{
    $routeProvider
        .when("/", {
            templateUrl : "main.html"
        })
        .when("/red", {
            templateUrl : "red.html"
        })
        .when("/green", {
            templateUrl : "green.html"
        })
        .when("/blue", {
            templateUrl : "blue.html"
        });
});
</script>
</body>
</html>
```

Main.html :-

Code :-

```
<!DOCTYPE html>
<html>
  <head>
    <script src="angular.min.js"></script>
  </head>
  <body>
    
  </body>
</html>
```

Red.html :-

Code :-

```
<!DOCTYPE html>
<html>
  <head>
    <script src="angular.min.js"></script>
  </head>
  <body bgcolor="red">
    <h1>Hello World!!!</h1>
  </body>
</html>
```

Green.html :-

Code :-

```
<!DOCTYPE html>
<html>
  <head>
    <script src="angular.min.js"></script>
  </head>
  <body bgcolor="lightgreen">
    <h1>Hello World!!!</h1>
  </body>
</html>
```

Blue.html :-

Code :-

```
<!DOCTYPE html>
<html>
  <head>
    <script src="angular.min.js"></script>
```

```
</head>
<body bgcolor="lightblue">
    <h1>Hello World!!!</h1>
</body>
</html>
```

Output :-

Main

Red Green Blue

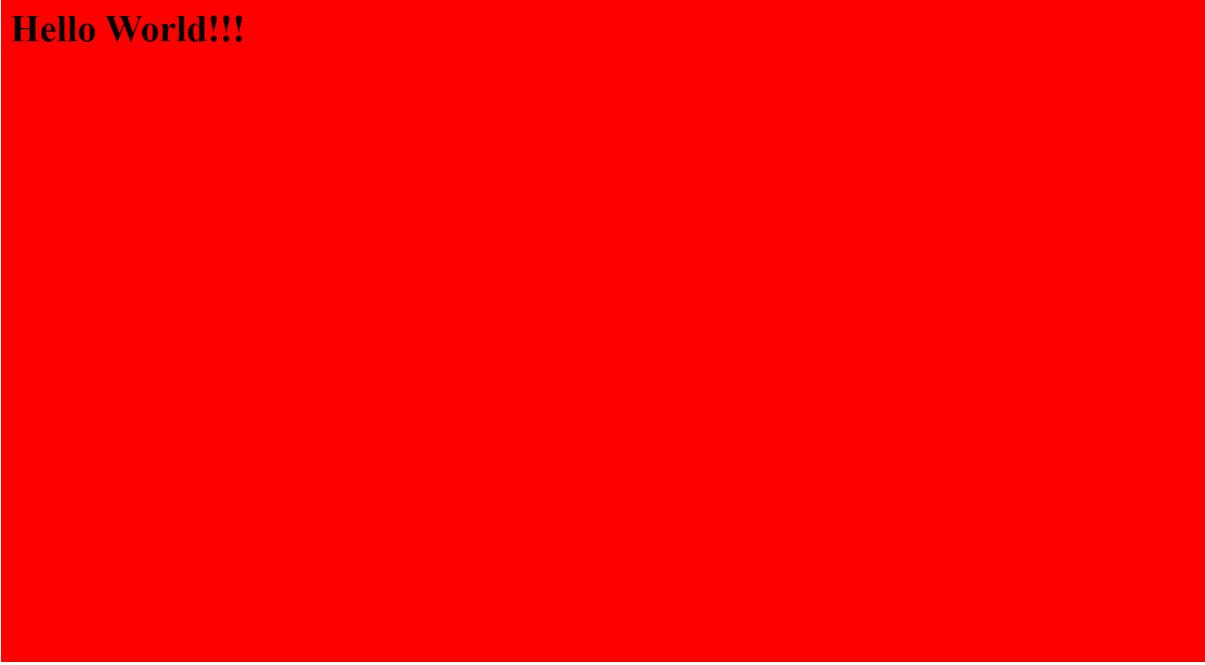
Main.html :-

Output :-



Red.html :-

Output :-



Hello World!!!

Green.html :-

Output :-



Hello World!!!

Blue.html :-

Output:-

Hello World!!!

24. Write an angular code to implement Ajax-Routing.

Code :-

```
<!DOCTYPE html>
<html>
<head>
  <script src="angular.min.js"></script>
  <script src="angular-route.js"></script>
</head>
<body ng-app="myApp">
  <p>
    <a href="#">
      
    </a>
  </p>
  <a href="#!/employee">List of employee</a><br>
  <a href="#!/student">List of student</a>
  <div ng-view></div>
  <script>
    const app = angular.module("myApp", ["ngRoute"]);
    app.config(function ($routeProvider)
    {
      $routeProvider
        .when("/", {
          template: `<h1>Welcome to ourwebsite...</h1>`
        })
        .when("/employee", {
          template: `<h1>Employee Name:</h1>
<p>
  <ul>
    <li>Nidhi Patel</li>
    <li>Jay Padmani</li>
    <li>Hiren Vekariya</li>
  </ul>
</p>`
        })
        .when("/student", {
          template: `<h1>Student Name:</h1>
<p>
  <ul>
```

```
<li>Shweta Chodvadiya</li>
<li>Bhavik Pokar</li>
<li>Shivani Patel</li>
</ul>
</p>`  
});  
});  
</script>  
</body>  
</html>
```

Output :-



[List of employee](#)
[List of student](#)

Welcome to our website...

List of employee :-



[List of employee](#)
[List of student](#)

Employee Name:

- Nidhi Patel
- Jay Padmani
- Hiren Vekariya

List of student :-



[List of employee](#)
[List of student](#)

Student Name:

- Shweta Chodvadiya
- Bhavik Pokar
- Shivani Patel

file:///D:/WTF/Ajax Routing.html#liststudent

25. Write an angular code to implement Ajax-http service.

Code :-

```
<!DOCTYPE html>
<html>
<head>
    <title>AngularJS AJAX - $http</title>
    <script src="angular.min.js"></script>
    <style>
        table, th, td
        {
            border: 1px #2E0854;
            border-collapse: collapse;
            padding: 5px;
        }
        table tr:nth-child(odd)
        {
            background-color: coral;
        }
        table tr:nth-child(even)
        {
            background-color: blue;
        }
    </style>
</head>
<body bgcolor="lightpink">
<center>
    <h1 style="color:green">Ajax Practical</h1>
    <h3>AJAX - Demo Class</h3>
    <div ng-app="" ng-controller="studentController">
        <table>
            <tr>
                <th>Name</th>
                <th>Goals</th>
                <th>Ratio</th>
            </tr>
            <tr ng-repeat="student in students">
                <td>{{ Player.Name }}</td>
                <td>{{ Player.Goals }}</td>
                <td>{{ Player.Ratio }}</td>
            </tr>
        </table>
    </div>
```

```
<script>
    function studentController($scope, $http)
    {
        var url = "/data.txt";
        $http.get(url).then( function(response)
        {
            $scope.students = response.data;
        });
    }
</script>
</center>
</body>
</html>
```

Output :-

