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Full Stack web Development

End-term Practical.

Question1 :- WAP to create an item collection and clone the items using Angular JS directives.

Code:-

Index.js

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Example - example-ngRepeat-tracking-production
  </title>
  <link href="animation.css" rel="stylesheet"
        type="text/css">
  <script src="//code.angularjs.org/snapshot/
              angular.min.js"></script>
  <script src="//code.angularjs.org/snapshot/angular-
              animate.js"></script>
  <script src="script.js"></script>
</head>
<body ng-app="ngRepeat">
  <div ng-controller="repeat controller">
    <button ng-click="removeFirst()"> Remove First
    </button>
    <button ng-click="updateAge()"> Update Age
    </button>
    <button ng-click="copy()"> Copy </button>
```

```
<br> button ng-click = "reset()" > Reset list </button>  
<br>
```

<code> track by \$id(friend) </code>, with age one-time binding:

```
<ul class = "example - animate - container">
```

```
<li class = "animate-repeat" ng-repeat = "friends in friends  
    track by friend.name">
```

```
    {{ friend.name }} is {{ :: friend.age }} years old.
```

```
</li>
```

```
</ul>
```

<code> track by \$index </code>, with age one-time binding:

```
<ul class = "example - animate - container">
```

```
<li class = "animate-repeat" ng-repeat = "friends in friends  
    track by $index">
```

```
    {{ friend.name }} is {{ :: friend.age }} years old.
```

```
</li>
```

```
</ul>
```

```
</div>
```

```
</body>
```

```
</html>
```

Script.js

```
(function (angular) {  
  'use strict';  
  angular.module('ngRepeat', ['ngAnimate']).controller  
    ('repeatController', function ($scope) {  
    var friends = [  
      { name: 'Shalini', age: 21 },  
      { name: 'Sourav', age: 22 },  
    ];  
    $scope.removeFirst = function () {  
      $scope.friends.shift();  
    };  
    $scope.updateAge = function () {  
      $scope.friends.forEach(function (el) { el.age = el.age + 5;  
    });  
    };  
    $scope.copy = function () {  
      $scope.friends = angular.copy($scope.friends);  
    };  
    $scope.reset = function () {  
      $scope.friends = angular.copy(friends);  
    };  
    $scope.reset();  
  })(window.angular);
```

track by \$id(friend) (default):

track by \$id(friend) (default), with age one-time binding:

track by friend.name, with age one-time binding:

track by \$index, with age one-time binding:

track by \$id(friend) (default):

Student 1 is 21 years old.

Student 2 is 22 years old.

track by \$id(friend) (default), with age one-time binding:

Student 1 is 21 years old.

Student 2 is 22 years old.

track by friend.name, with age one-time binding:

Student 1 is 21 years old.

Student 2 is 22 years old.

track by \$index, with age one-time binding:

Student 1 is 21 years old.

Student 2 is 22 years old.