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Course: MCA (3C)

Subject: Full Stack End Practical TMC 305

1. Write a program to create an item collection and clones the items using AngularJS directives.

Index.js

```
<!doctype html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Example - example-ngRepeat-tracking-production</title>
<link href="animations.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="repeatController">
<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> (default):
<ul class="example-animate-container">
<li class="animate-repeat" ng-repeat="friend in friends">
{{friend.name}} is {{friend.age}} years old.
</li>
</ul>
<code>track by $id(friend)</code> (default), with age one-time binding:
<ul class="example-animate-container">
<li class="animate-repeat" ng-repeat="friend in friends">
{{friend.name}} is {{::friend.age}} years old.
</li>
</ul>
<code>track by friend.name</code>, with age one-time binding:
<ul class="example-animate-container">
<li class="animate-repeat" ng-repeat="friend in friends track by friend.name">
{{friend.name}} is {{::friend.age}} years old.
```

```html
</li>
</ul>
<code>track by $index</code>, with age one-time binding:
<ul class="example-animate-container">
<li class="animate-repeat" ng-repeat="friend in friends track by $index">
{{friend.name}} is {{::friend.age}} years old.
</li>

</ul>
</div>
</body>
</html>
```

Script.js

```javascript
(function(angular) { 'use strict';
angular.module('ngRepeat', ['ngAnimate']).controller('repeatController', function($scope) {
var friends = [
{name:'Sardul', age:21},
{name:'Ankit', 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);
```

OUTPUT:

Output

Remove First | Update Age | Copy
Reset List
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:
_____

Remove First | Update Age | Copy
Reset List
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.

2. Write a program to create an HTTP server which can communicate between client and the server.

```js
var http= require('http')
 var server=http.createServer(function(req,res){
console.log('request was made: ' + req.url);
res.writeHead(200,{'Content-Type':'text/plain'});
res.end('ADITI TARAK');

});
server.listen(4000,'127.0.0.1');
console.log("PORT 3000");
```


127.0.0.1:4000

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ADITI TARAK

```
PS U:\js> node sc
PORT 3000
request was made: /
```