SIES Graduate School of Technology
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Batch: E3

Assignment

Question: Create a value(pi) and factory (area of circle) and inject the created value and factory in controller to display area of circle to the user.

CODE:

```
<!DOCTYPE html>
<html>

<head>
    <title>Factory</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js">
    </script>
    <script>
      var application = angular.module('myApp', []);
      application.value("pi", 3.14)
      application.factory('MyFactoryService', function (pi) {
        var factory = {}; factory.area = function (r) {
          return pi * r * r;
        };

        return factory;
      });

      application.controller('thisapp', function (
        $scope, MyFactoryService) {
        $scope.result = function () {
          $scope.results =
              MyFactoryService.area($scope.num1)
        };

      });
    </script>
</head>

<body>
    <h1>Factory Value</h1>
    <div ng-app="myApp" ng-controller="thisapp">
      <p>
        Enter the Radius:
```
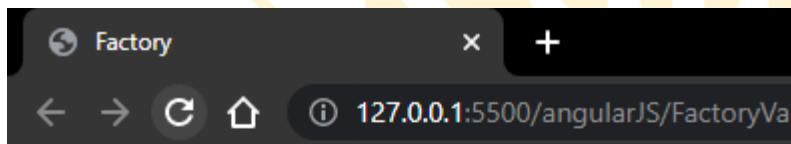
```
        <input type="number" ng-model="num1" />
        <br />
    </p>
    <button ng-click="result()">Area</button>
    <p>Results: {{results}} sq units</p>
  </div>
</body>

</html>
```
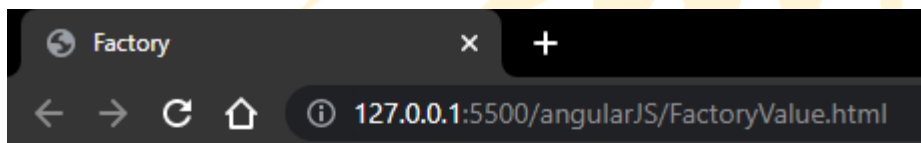
OUTPUT: