Adhikari Salman Juber

120A3043

E2

Assginment 2

Aim : 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:

```html
<!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;
```

```html
        };

        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}}</p>
    </div>
```

```
</body>


</html>
```

Output: