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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:

<!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}}

    </div>

</body>

</html>

Output:

