Service  
  
  
<script>

1. *//creating module*
2. var app = angular.module('app', []);
4. *//define a service using service() function*
5. app.service('MyService', function () {
6. this.function1 = function () {
7. *//TO DO:*
8. };
10. this.function2 = function () {
11. *//TO DO:*
12. };
13. });
14. </script>

## Service

A service is a constructor function which creates the object using new keyword. You can add properties and functions to a service object by using this keyword. Unlike factory, it doesn’t return anything.

Angular Built In services

|  |
| --- |
|  |
| $anchorScroll | $exceptionHandler | $interval | $rootScope |
| $animate | $filter | $locale | $sceDelegate |
| $cacheFactory | $httpParamSerializer | $location | $sce |
| $templateCache | $httpParamSerializerJQLike | $log | $templateRequest |
| $compile | $http | $parse | $timeout |
| $controller | $httpBackend | $q | $window |
| $document | $interpolate | $rootElement |  |

All the Angular services are **lazy instantiated** and **singleton**. It means AngularJS framework instantiates a service when an application component depends on it. Also, all the components share the same instance of a service.

$location Methods

* [absUrl();](https://docs.angularjs.org/#absUrl)
* [url([url]);](https://docs.angularjs.org/#url)
* [protocol();](https://docs.angularjs.org/#protocol)
* [host();](https://docs.angularjs.org/#host)
* [port();](https://docs.angularjs.org/#port)
* [path([path]);](https://docs.angularjs.org/#path)
* [search(search, [paramValue]);](https://docs.angularjs.org/#search)
* [hash([hash]);](https://docs.angularjs.org/#hash)
* [replace();](https://docs.angularjs.org/#replace)
* [state([state]);](https://docs.angularjs.org/#state)