Angular JS Modules:

An AngularJS module defines an application.

The module is a container for the different parts of an application.

The module is a container for the application controllers.

Controllers always belong to a module.

एक AngularJS मॉड्यूल एक एप्लिकेशन को परिभाषित करता है।

मॉड्यूल एक अनुप्रयोग के विभिन्न भागों के लिए एक कंटेनर है।

मॉड्यूल एप्लिकेशन नियंत्रकों के लिए एक कंटेनर है।

नियंत्रक हमेशा एक मॉड्यूल से संबंधित होते हैं।

Declaration:

```
var app = angular.module("myApp", []);
```


The [] parameter in the module definition can be used to define dependent modules.

Without the [] parameter, you are not *creating* a new module,
but *retrieving* an existing one.

मॉड्यूल परिभाषा में [] पैरामीटर का उपयोग आश्रित मॉड्यूल को परिभाषित करने के लिए किया जा सकता है।

[] पैरामीटर के बिना, आप एक नया मॉड्यूल नहीं बना रहे हैं, लेकिन एक मौजूदा को पुनः प्राप्त कर रहे हैं।

Creating a Module

A module is created by using the AngularJS function `angular.module`

```
<div ng-app="myApp" ng-controller="myCtrl">
{{ firstName + " " + lastName }}
```

```
</div>

<script>

var app = angular.module("myApp", []);

app.controller("myCtrl", function($scope) {
  $scope.firstName = "John";
  $scope.lastName = "Doe";
});

</script>
```

AngularJS Filters

Filters can be added in AngularJS to format data.

AngularJS provides filters to transform data:

- currency Format a number to a currency format.
- date Format a date to a specified format.
- filter Select a subset of items from an array.
- json Format an object to a JSON string.
- limitTo Limits an array/string, into a specified number of elements/characters.
- lowercase Format a string to lower case.
- number Format a number to a string.
- orderBy Orders an array by an expression.
- uppercase Format a string to upper case.

```
<div ng-app="myApp" ng-controller="personCtrl">

<p>The name is {{ lastName | uppercase }}</p>

</div>
```

AngularJS Services

In AngularJS you can make your own service, or use one of the many built-in services.

What is a Service?

In AngularJS, a service is a function, or object, that is available for, and limited to, your AngularJS application.

AngularJS has about 30 built-in services. One of them is the `$location` service.

Services are JavaScript functions, which are responsible to perform only specific tasks.

AngularJS provides many inbuilt services. For example, $http, $route, $window, $location, etc. Each service is responsible for a specific task