MODULE

* ng g module <module-name>
* create new component in that module : ng g c modulename/componentname

Lazy Loading

* refer customer module example .
* In app-routing.module. – it is specified.

Observable

* Stream of data whose items arrive asynchronously over time.
* Angular uses RxJS (Reactive Extension of Javascript)
* It will use callback function called as observer which is notified about the status/data changes from observable.
* To install : npm install rxjs
* We can get it : import {Observable} from ‘rxjs’;
* Mothods: observer.next();
* Observer.error();
* **SUBSCRIBER** : a method that consumes data using observer
* Success callback
* Error callback
* Complete callback
* Observable Operators: methods that performs specific actions on data items when they arrive.
* observable.pipe(operator(callback));
* Map, filter, first , last, reduce

NOTE: <https://jsonplaceholder.typicode.com/> - to get fake apis

HTTP module

* Is used to execute http request and get response from the server.
* HTTPClientModule

FORMS

* Angular forms used to interact with user and manipulate the data.
* TEMPLATE DRIVEN FORMS:
* It is created in html template only.
* Forms module is used for template driven forms.
* All field values are submitted once and the values are retrieved and processed.
* Some attributes are :
* ngForm : used to bind the html with angular form and to create form variable

<form #formx=”ngForm”…>

* ngModel
* ngModelGroup
* MODEL DRIVEN (Reactive) FORMS:
* Form is created programmatically and rendered in DOM.
* FormsModule and ReactiveFormsModule are needed for reactive form.
* FORM CONTROL:

Represents a single input fielf.

* FORMGROUP
* Build a Reactive forms :
* To customize forms , we’ll use FormBuilder.
* 2 mainn functs of formbuilder:

VALIDATORS

* maxLength,minLength,required,email are few in-built validators.

Custom Validators

GUARD

UNIT TESTING

* KARMA:
* Test runner created by Angular Team.
* Required npm modules: karma, karma-coverage,karma-jasmine etc.
* Actual code is written with jasmine.
* JASMINE:
* Behavior driven open source unit Testing.