**Building Blocks of Angular:**

**1.Components:**

* Component is a class, that contain "Application Data" + "Event Handler Methods".
* Component contains "Application Data" in the form of properties and events, that are needed to be displayed in the view.

2. Templates:

* Templates contains design logic (HTML logic to present output to the user).

3. Data Binding:

* Mediates between the components and templates.

4. Modules:

* Collection of Components.

5. Services:

* Business Logic(client side logic) and REST API calls.

6. Dependency Injection:

* Load Service objects into the constructor/Components.

7. Directives:

* It changes the appearance and the behavior of the element.

**Angular Packages**

**@angular/Core:**

It needed to run every angular application.

Ex: @NgModule , @Directive, Pipes etc..

**@angular/common:**

It provides built-in directive that are useful for the real angular application.

Ex: ngIf, ngSwitch, ngClass and ngFor etc…

**@angular/compiler:**

It complies the html code into js Code.

**@angular/Forms:**

It provides the pre-defined class that are related to create and execute angular forms.

Ex: ngForm, TemplateForm, reactive forms, validators and ngModel etc..

**@angular/router:**

It provides the necessary pre-defined class that are used to create and execute angular routes. (navigation from one module to another module).

Ex: RouterModules, Activated routes, canActivate and RouterLink etc.

**@angular/animations:**

It provides pre-defined class that are used to create and execute the angular animations.

Ex: Browseranimation Module, animate, state, style and transitions etc…

**@angular/cli:**

Ex: ng new, ng serve, ng build, ng test.

**Rxjs:**

It provides necessary pre-defined class for the observables that are needed to represent the response of the API calls of ajax.

Ex: Observables, Observer and subject…

**Zone.js**

Zone.js provides a set of pre-defined classes (or scripts) that are needed to perform Change detection process, while running the angular application.