- Directives enhances the view capabilities.
- We have two types of directives
    - Pre-defined directives
    - Custom directives
- The directives are given by angular framework is called predefined directives.
- The directives are doveloped by us based on application requirement called as custom directives

=>Pre-defined directives

1. ngFor
2. ngif
3. (click)
4. (dbclick)
5. [(ngmodel)]
6. (ngsubmit)
7. [ngclass]
8. [ngstyle]
9. [ngswitch]

- Directives are categorized into three types
    - Structural type directives
    - Event type directives
    - Attribute type directives
- Structural type directives have manipulate into dom
- Structural type directives starts with "*"
- Based on the requirement we are adding or removing dom elements from browser memory.

- In order to handle events raised by dom ,we are using event type directives.
- Event type directives are serounder with "()"
- Attribute type directives serounder with "[]"

1) *ngFor

- this directive used to iterate the Array Elements.

Syntax.

*ngFor= "let variable of array;constant1,constant2,...."

constants

---

1) index

- it is used to get the indexes for each iteration.

2) **first**

- it is used to recognise the first element in array.

3) **last**

- it is used to recognise the last element in array.

4) **even**

- it will recognise even positions in array.

5) **odd**

- it will recognise odd positions in array.

2) ***ngIf**

- this directive helps to write the conditions.

Pipes

- Pipes are used to manipulate the data based on Application Requirement.
- we have two types of pipes.
    - predefined pipes
    - custom pipes
- the pipes given by angular framework called as predefined pipes.
- the pipes developed by us based on Application Requirement called as custom Pipe.

=>predefined pipes

- uppercase
- lowercase
- titlecase
- currency
- json
- slice
- number
- percent
- async
- date

1) uppercase

- it is used to convert the lowercase characters to uppercase characters.

2) lowercase

- it is used to convert the uppercase characters to lowercase characters.

3) titlecase

- it is used to create the camelcase words.

4) currency

- it is used to append the currencies symbols to numerical values.

5) json

- it will convert "JSON Object" to "JSON String".

6) slice

- it is used to manipulate the arrays.

7) number/decimal

- it is used to manipulate the numerical values.

8) percent

- used to convert the fractions to equalent percentages.

9) async

- it is used to display the asynchronous data on webpages.

10) date

- it is used to manipulate the "date" accroding to application requirement.

Command: ng g p reverse --skipTests

ng g p message --skipTests