

Attribute directive : attribute directive mainly use to apply styling.

ngStyle and ngClass

ngStyle is like a inline CSS for angular

ngClass like a css selector

Angular forms

Using template reference we can pass the value from template to component.

```
<input type="text" #nameRef/>
```

Using angular form we can group of values from template to components.

In angular we can use two types of forms.

1. Template driven form
2. Model driven or reactive form.

Template Driven Form

1. The flow of application template to component
2. It is easy to develop and good for small application
3. In Template driven form angular provided two pre defined attribute ie **ngForm** and **ngModel** attribute. While using these attribute we need to import **FormsModule** in **app.module.ts** file.

In template drive we need to create the reference of form using syntax

As

Html page

```
<form #loginRef="ngForm" (ngSubmit)="checkUser(loginRef)">
<labe>Email</label>
<input type="email" name="email" ngModel/><br/>
<labe>Password</label>
<input type="password" name="password" ngModel/><br/>
<input type="submit" value="submit"/>
<input type="reset" value="reset"/>
</form>
```

Ts page

```
import {NgForm} from '@angular/forms';
msg:string ="";
checkUser(loginRef:NgForm): void {
    let login = loginRef.value;
    if(login.email==akash@gmail.com && login.password=="123"){
        this.msg="successfully"
    }else {
        this.msg="failure";
    }
    loginRef.reset();      //reset form value after verified.
}
```

When we click on Submit button angular generate ngSubmit event.

Model Driven Form

1. The flow of application component to template
2. It is complex to develop and good for big application.
3. In model driven form angular provided FormGroup and FormControl API (Application Programming interface) in component.

We need to create the reference of **FormGroup** and **FormControl** in component ie ts.

Then using **formGroup** and **formControlName** attribute we need to bind in html page for FormGroup and FormControl.

formGroup and **formControlName** attribute part of **ReactiveFormsModule**. So we need to import ReactiveFormsModule In **app.module.ts** file.

Form group is collection of more than one form control

Form control control or bind to text field, radio button, checkbox, Password field.

First create the project

ng new angular-forms
routing → no
style → css

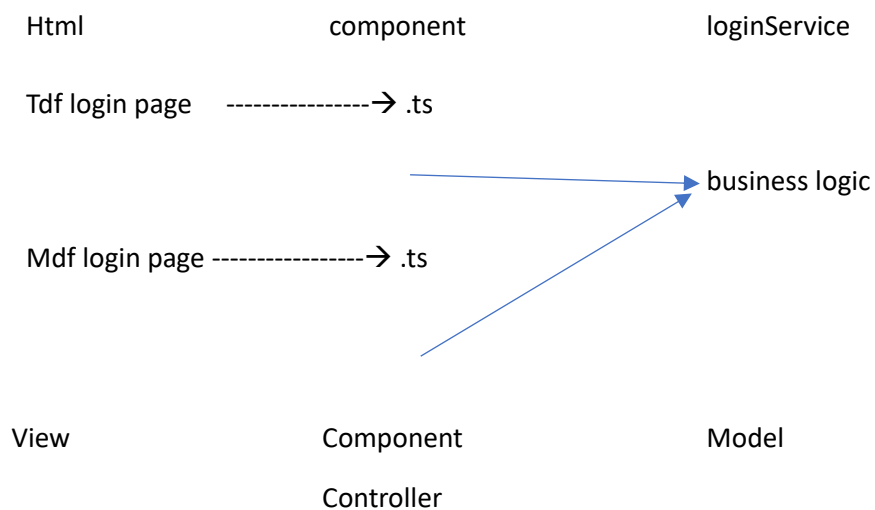
cd angular-forms

ng g c login-tdf
ng g c login-mdf

using ng serve
and open the project in VS code

Service layer or class

If we write any simple or complex business logic in component
That logic consider as local to that component which we can
Access within that component or that component html page
But we need to logic must global for more than one component
Then we need to use service class.



MVC : Model View controller