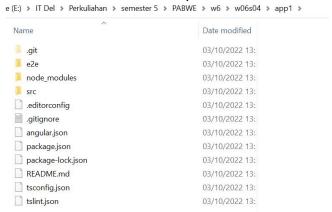
## 1. Welcome to Angular

1) Konsol dibuka dan diarahkan ke dalam folder w06s04. Kemudian perintah 'ng new app1 -18' diketik maka akan muncul folder seperti berikut.



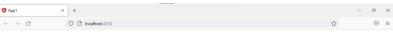
2) Perintah 'ng serve --open' diketikkan untuk membuka aplikasi dengan port default 4200.

```
E:\IT Del\Perkuliahan\semester 5\PABWE\w6\w06s04\app1>ng serve --open
```

3) File app.component.ts dibuka dan bagian title diubah menjadi nama pribadi.

4) File app.component.html dan app.component.css dibuka dan diubah.

5) Tampilan



Selamat Datang Ruth Aulya Silalahi di Situs ini!



Here are some links to help you start:

- Tour of Heroes
- CLI Documentation
- Angular blog

## 2. Aplikasi Voting

1) Perintah "ng new voting-18" maka akan muncul sebagai berikut.

```
lume (E:) > IT Del > Perkuliahan > semester 5 > PABWE > w6 > w06s04 > voting >
                                                  Date modified
     Name
     .git
                                                  03/10/2022 13:
     e2e
                                                  03/10/2022 13:
     node_modules
                                                  03/10/2022 14:
                                                  03/10/2022 13:
    _____ .editorconfig
                                                  03/10/2022 13:
     gitignore.
                                                  03/10/2022 13:
     angular.json
                                                  03/10/2022 13:
     package.json
                                                  03/10/2022 14:
     package-lock.json
                                                  03/10/2022 14:
     README.md
                                                  03/10/2022 13:
     tsconfig.json
                                                  03/10/2022 13:
     tslint.json
                                                  03/10/2022 13:
```

2) File app.component.html dibuka dan diubah menjadi sebagai berikut.

```
> app.component.html ×
E: > IT Del > Perkuliahan > semester 5 > PABWE > w6 > w06s04 > voting > src > app > \leftrightarrow app.com
       <form class="ui large form segment">
        <h3 class="ui header">Add a Link</h3>
        <div class="field">
 4
          <label for="title">Title:</label>
          <input name="title" #newtitle> <!--perhatikan ini-->
        <div class="field">
         <label for="link">Link:</label>
          <input name="link" #newlink> <!--perhatikan ini-->
        <button (click)="addArticle(newtitle, newlink)" class="ui positive right floated button">
        Submit Link
        </button>
       <div class="ui grid posts">
       <app-article></app-article>
```

3) File app.component.ts ditambahkan skrip fungsi addArticle sebagai berikut.

```
> app.component.html
                                TS app.component.ts X
E: > IT Del > Perkuliahan > semester 5 > PABWE > w6 > w06s04 > voting > src > app > TS app.comp
      import { Component } from '@angular/core';
       @Component({
        selector: 'app-root',
 4
        templateUrl: './app.component.html',
styleUrls: ['./app.component.css']
 5
 6
      export class AppComponent {
        addArticle(title: HTMLInputElement, link: HTMLInputElement): boolean{
10
         console.log(`Tambahkan article dengan judul: ${title.value} dan tautan: ${link.value}`);
11
          return false;
12
13
```

4) Fungsi addArticle di-binding dengan event onClick dengan parameter yang dimiliki adalah newtitle dan newlink sebagai berikut.

## 3. Aplikasi voting extended component

- 1) Perintah "ng generate component article" diketikan maka akan terdapat folder article.
- 2) File article.component.html dibuka dan diubah seperti sebagai berikut.

```
> article.component.html ×
E: > IT Del > Perkuliahan > semester 5 > PABWE > w6 > w06s
      <div class="four wide column center aligned votes">
       <div class="ui statistic">
         <div class="value">
         {{votes}}
 4
         </div>
         <div class="label">
 6
         Points
 8
        </div>
 9
       </div>
10
      </div>
11
12
      <div class="twelve wide column">
13
       <a class="ui large header" href="{{link}}">
14
        {{title}}
15
       </a>
       16
17
        <a href (click)="voteUp()">
18
19
            <i class="arrow up icon"></i></i>
20
21
         </a>
        23
          <a href (click)="voteDown()">
24
           <i class="arrow down icon"></i></i>
25
26
           downvote
27
         </a>
28
        29
       30
      </div>
```

3) File article.component.ts diubah sebagai berikut.

```
article.component.html
                                    TS article.component.ts X
E: > IT Del > Perkuliahan > semester 5 > PABWE > w6 > w06s04 >
       import { Component, OnInit } from '@angular/core';
       @Component({
    selector: 'app-article',
         templateUrl: './article.component.html',
styleUrls: ['./article.component.css'],
         host: {class: 'row'}
 8
 9
        export class ArticleComponent implements OnInit {
         votes: number;
10
11
         title: string;
 12
         link: string;
13
 14
         constructor() {
          this.title = 'IT Del';
            this.link = 'https://del.ac.id';
           this.votes = 10;
17
18
19
20
          voteUp(){
21
           this.votes += 1; return false;
22
23
          voteDown(){
24
25
           this.votes -= 1; return false;
26
27
28
          ngOnInit() {
29
30
31
```

4) File app.component.html ditambahkan komponen article setelah tag form.

```
15 <div class="ui grid posts">
16 <app-article></app-article>
17 </div>
```

5) File app.module.ts ditambahkan deklarasi 'ArticleComponent'.

```
TS app.module.ts X
el > Perkuliahan > semester 5 > PABWE > w6 > w06s04 > voting > src :
        import { BrowserModule } from '@angular/platform-browser';
  1
        import { NgModule } from '@angular/core';
        import { AppComponent } from './app.component';
import { ArticleComponent } from './article/article.component';
        @NgModule({
          declarations: [
            AppComponent,
            ArticleComponent // <-- ini yang ditambahkan jika belum ada
 10
 11
 12
 13
            BrowserModule
 14
 15
          providers: [],
 16
          bootstrap: [AppComponent]
 17
        export class AppModule { }
 18
 19
```

## 4. Tugas

1) File app.component.html diubah sebagai berikut.

```
E: > IT Del > Perkuliahan > semester 5 > PABWE > w6 > w06s04 > votingTugas > src > app > ↔ app.component.html > ६
      <!--The content below is only a placeholder and can be replaced.-->
       <form class="ui large from segment">
        <h3 class="ui header">Add a Link</h3>
        <div class="field">
          <label for="title">Title:</label>
          <input #myTitle name="title" #newtitle >
         </div>
        <div class="field">
 9
          <label for="link">Link:</label>
10
          <input #myLink name="link" #newlink >
11
        </div>
12
         <button type="button" (click)="onDuplicate(newtitle, newlink)" class="ui positive right floated button">
13
         Submit link
14
        </button>
15
       </form>
16
       <div *ngFor="let vote of data">
17
        <app-article [title]="vote.title" [link]="vote.link">
18
19
         </app-article>
20
       </div>
```

2) File article.component.ts diubah sebagai berikut.

```
export class ArticleComponent implements OnInit {
  @Input() title: string;
  @Input() link: string;
  votes = 10;

  constructor(){
  }
  voteUp(){
    this.votes += 1;
    return false;
  }
  voteDown(){
    this.votes -=1;
    return false;
  }
  return false;
}
```

3) File app.component.ts diubah sebagai berikut.

```
export class AppComponent {

    data = []
    myTitle = "daw"
    myLink = "dawd"
    @ViewChild('myTitle') inputTitle
    @ViewChild('myLink') inputLink

    public onDuplicate(title: HTMLInputElement, link: HTMLInputElement){
        this.data.push({
            title: title.value,
            link: link.value
        })
        this.inputTitle.nativeElement.value = ''
        this.inputLink.nativeElement.value = ''
    }
}
```