Angular // Cheatsheet

Requirements

- Node.js
- Npm
- Text editor
- Terminal/cmd

Installing Angular CLI

Why do we need angular CLI? we will install angular CLI
to make our work more easier in the terminal. creating components
etc etc.

Commands on how to install angular cli

```
> npm install @angular/cli
```

Wait for the terminal to finish installing angular CLI, after
that lets start our very first angular App...

Creating our first App

1. First thing you do is create a *folder* for the project

```
> mkdir angular_proj
```

2. Secondly, we will create our first angular project by typing in the command in the *terminal/bash*.

```
> ng new a4app
```

wait for the terminal to finish creating the currently needed folders for later.

3. inside our folder, you will see a bunch of files created for us by angular CLI. in the terminal again, type in the terminal.

```
> ng serve
```

this will start a server and see the result when we edit our angular files.

4. To test our app, go inside our project folder and go to

> *src/app/app.component.ts*

Understanding files and directories in our project

the 'src' folder

the **src** folder has all of our main components and main files that we will edit more often. that is located in.

```
> <ourDirectory>/src
```

css/html/ts files

Inside our **'src/app/'** directory. you will see a bunch of files that has the file extension of *html/css/ts* those files are the one's$ that we will edit and manipulate. it is located on.

```
> <ourDirectory>/src/app/
```

Testing our angular app

Go to our angular directory and head to the

```
> src/app/app.component.ts
```

Inside you will see the 'title = App works!', You can change the value of this and the browser will automatically refresh and change the content.

Components

Components are like parts of our web app. you can organize your components
by creating folders on individual components. you can use angular cli to create component
files with boilerplates like this:

```
    > ng g component <nameoffolder>
```

this will automatically create files for us by angular cli.

when we wan't to use our components to our **'app.component.ts'** we need to find
the **'@component selector'** on our component *.ts* file and see what's the keyword or
xml tag element. so that we can put it on our main app html. and se e
what 's the keyboarword or
ehtmlxml tag element. so that we can put it on our main app html.

Using bootstrap for angular

to install and use bootstrap for angular. you need to install
the ngx npm package. type the command in the terminal.

```
    > npm install ngx-bootstrap bootstrap --save
```

REMEMBER type the command inside of our angular project.