

# Module 4

1. What is the command to generate a new Angular app with less as the css pre-processor.

`ng new projectname --style==less`

2. The purpose of the app.module.ts file

The app.module.ts file is where you define all your components for the project for later use as well as the routing. Look at it as the crossroad between all the “roads (components) to connect them together

3. What command will you use to generate a component in Angular?

`ng g component componentName` or `ng generate component componentName`

4. What is a structural directive in Angular?

A structural directive in Angular can easily be recognised with the \* symbol. Like **\*ngIf** or **\*ngFor** and can change the display of the html layout by adding, removing or manipulating the elements. The ngIf can be used as a statement if something is true or false. Example: **\*ngIf="true"** <something display/happens> & **\*ngIf="false"** <Something different display/happens>

5. What code snippet would you use to declare a variable which is an Array of type numbers?

a. `variableName: Array<Number> = [1, 2, 3, 4, 5 ];`

6. What is dependency injection in Angular?

a. Dependencies are services or objects that a class needs to perform its function. DI is a coding pattern in which a class asks for dependencies from external sources rather than creating them itself. Services in services. You take a provider into a constructor

`weatherservice:`

`Class{(private weatherservice: Weatherservice)}`

7. Please provide a code snippet which would illustrate a route in Angular?

a. `const routes: Routes = [{  
  
    path:"login",`

```

        component:LoginPageComponent
    },
    {
        path:"dashboard",
        component:DaskboardPageComponent
    },
    {
        path:'',
        redirectTo:'login',
        pathMatch:'full'
    }
];

@NgModule({
    imports: [RouterModule.forRoot(routes)],
    exports: [RouterModule]
})

```

## 8. What is an observable?

- a. Observables are similar to promises. It will watch for changes. You can stop/cancel what it does unlike promises. It has two functions. One true or one calls. SuccessCallback and errorCallback.

### **Github Link:**

<https://github.com/Obidobius/Noroff-AngularApp>