

Assisted Projects -3

Angular

- **Create a angular project**
ng new {projectname}
- **Run the project**
ng serve
- **Create 3 components**
ng g c about
ng g c contact
ng g header
- **Create a test pipe**
ng g p test

```
//appcomponent.html
```

```
<!-- Components -->
```

```
<h1>Hey Amulya!!</h1>
```

```
<!-- Property Binding -->
```

```
name <input type="text" [hidden]="ishidden">
```

```
<button [disabled]="isdisabled">submit</button>
```

```
<!-- Class and Style Binding -->
```

```
<h2 [class]="isactive?'active':'inactive'">Hey welcome!!!</h2>
```

```
<!-- Event Binding -->
```

```
<button (click)="increment()">increment</button>
```

```
<button (click)="decrement()">decrement</button>
```

```
<h1>{{count}}</h1>
```

<!-- Two-WayBinding -->

name <input type="text" [(ngModel)]="name">

Your name is {{name}}

<!-- Form Validation -->

<label>What is the capital of karnataka</label>

<input type="radio" name="group" value="Banglore"

(input)="update(\$event)">Banglore

<input type="radio" name="group" value="Bihar"

(input)="update(\$event)">Bihar

<input type="radio" name="group" value="Hyderabad"

(input)="update(\$event)">Hyderabad

<input type="radio" name="group" value="mumbai"

(input)="update(\$event)">mumbai

The score is {{score}}

<!-- Directives -->

<h1 *ngIf="show;then success;else fail"></h1>

<ng-template #success><h1 >{{textdata}}</h1></ng-template>

<ng-template #fail>Id<input type="text"></ng-template>

<!-- Pipes -->

<h1>{{textdata | uppercase}}</h1>

<h1>{{salary | currency}}</h1>

<h1>{{salary | currency:'INR'}}</h1>

<h1>{{date | date:'dd/MM/yy'}}</h1>

<h1>{{person | json}}</h1>

<!-- Router Mechanisms -->

```
<app-header></app-header>
<router-outlet></router-outlet>
```

```
//appcomponent.ts
```

```
import { Component } from '@angular/core';
```

```
@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
```

```
export class AppComponent {
```

```
  //propertybinding
```

```
    ishidden=false
```

```
    isdisabled=false
```

```
  //cpmponentbinding
```

```
    isactive=true
```

```
  //isactive=false
```

```
  //event binding
```

```
    count=0;
```

```
    increment(){this.count+=1;}
```

```
    decrement(){this.count-=1;}
```

```
  //tway binding
```

```
    name=""
```

```
  //form
```

```
    score=0;
```

```
    ans="";
```

```
    update(e:any){
```

```
this.ans=e.target.value;
if(this.ans==="Banglore")){
this.score++;
}
}

//directives
show=true;
//show=false
textdata="Hey good morning!"

//pipes

textdata1="amulya"
salary=10000
date=new Date()
person={"name":"amulya","age":23

}
}

//app.component.css
.active{background-color: aquamarine;color: white;}
.inactive{background-color: bisque;color: rgb(20, 178, 178);}

//app.module.ts

import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';
```

```
import { AppRoutingModuleModule } from './app-routing.module';
```

```
import { AppComponent } from './app.component';
```

```
import { FormsModule } from '@angular/forms';
```

```
import { TestPipe } from './test.pipe';
```

```
import { AboutComponent } from './about/about.component';
```

```
import { ContactComponent } from './contact/contact.component';
```

```
import { RouterModule, Routes } from '@angular/router';
```

```
import { HeaderComponent } from './header/header.component';
```

```
const routes:Routes=[
```

```
{path:"about",component:AboutComponent},
```

```
{path:"contact",component:ContactComponent}
```

```
]
```

```
@NgModule({
```

```
  declarations: [
```

```
    AppComponent,
```

```
    TestPipe,
```

```
    AboutComponent,
```

```
    ContactComponent,
```

```
    HeaderComponent
```

```
  ],
```

```
  imports: [
```

```
    BrowserModule,
```

```
    AppRoutingModuleModule,
```

```
    FormsModule,
```

```

    RouterModule.forRoot(routes)
  ],
  providers: [],
  bootstrap: [AppComponent]
})
export class AppModule { }

```

```

//test.pipe.ts
import { Pipe, PipeTransform } from '@angular/core';

```

```

@Pipe({
  name: 'test'
})
export class TestPipe implements PipeTransform {
  //wishdata | test:4:8
  transform(value: string,param1:number,param2:number ): string {
    return value.substring(param1,param2);
  }
}

```

```

//header.component.html
<head>
  <link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
    rel="stylesheet" integrity="sha384-
    9ndCyUaIbzAi2FUVXJi0CjmCapSmO7SnpJef0486qhLnuZ2cdeRhO02iuK6FUUVM"
    crossorigin="anonymous">

```

```

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min
.js" integrity="sha384-
geWF76RCwLtnZ8qwWowPQNguL3RmwHVBC9FhGdlKrxdiJJigb/j/68Sly3Te4Bkz"
crossorigin="anonymous"></script>

</head>

<body>

<ul class="list-group list-group-horizontal">

<li class="list-group-item"><a routerLink="/about">About</a></li>

<li class="list-group-item"><a routerLink="/contact">Contact</a></li>

</ul>

</body>

```

Output:

