Routing > Allows us to navigate through the components

The components(paths) we can display as links

Steps for Routing

Step 1: in app.module.ts file

**import {Routes} from '@angular/router';**

**Step 2: Create an array of all the Routes (All the possible paths or links )**

**In app.module.ts file**

**const rts:Routes=[**

**{path:'' , component:HomeComponent},**

**{path:'about', component:AboutUsComponent},**

**{path:'contact', component:ContactUsComponent},**

**{path:'login', component:LoginComponent}**

**];**

**Step 3:**

**In imports Section of app.module.ts file**

**RouterModule.forRoot(rts)**

**import {RouterModule, Routes} from '@angular/router'; (RouterModule Will be added)**

**Step 4:**

**Insert / Add Links (in app.component.html page)**

**<ul>**

**<li> <a href="/"> Home </a> </li>**

**<li> <a href="/about"> About Us </a></li>**

**<li> <a href="/contact"> Contact Us </a></li>**

**<li> <a href="/login"> Login </a></li>**

**</ul>**

**It will show the links ,but the contents of selected component will not be displayed**

**Step 5:**

**<router-outlet> <router-outlet>**

**With <a href> Reloads the entire page everytime when we click on any of the links**

**SO to avoid that Reload , we use routerLink instead of href**

**<ul>**

**<li> <a routerLinkActive="active" routerLink="/"> Home  </a> </li>**

**<li><a routerLinkActive="active" routerLink="/contact"> Contact Us </a></li>**

**<li> <a routerLinkActive="active" routerLink="/about"> About Us  </a></li>**

**<li> <a routerLinkActive="active" routerLink="/login"> Login  </a></li>**

**<li> <a routerLinkActive="active" routerLink="/register"> Register  </a></li>**

**<li><img [src]="image6" style="float: right; padding-right: 20px; height:50px"></li>**

**</ul>**