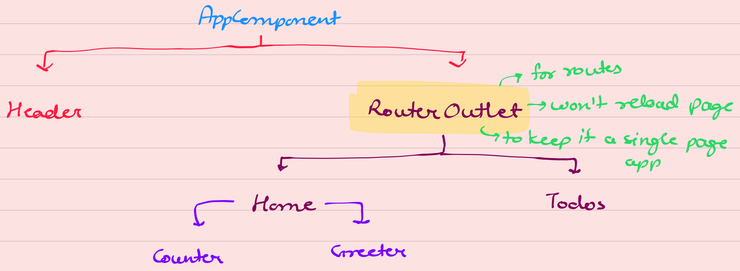
** Routing ** (for multi-page application)

- Browser only loads the bundles related to the route user has accessed.
- This improves the performance.

Now, app architect :-



Steps:

1. We have to create routes in app.routes.ts

to create the '/'(home) route and '/todos' route

it will look like:

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

export const routes: Routes = [
    {
        path: '',
        pathMatch: 'full',                    → required for empty route
        loadComponent: () => {                → path from where to import
            return import('./home/home.component').then-
                -(m => m.HomeComponent);
                    ↳ module    ↳ render this module
        },
    },
    {
        path: 'todos',
        loadComponent: () => {
            return import('./todos/todos.component').-
                -then(m => m.TodosComponent);
        },
    }
];
```

2. Now that the Home and Todos components are made into routes, we don't need to import them. As, they are being imported by the routes.

So, we will import the RouterOutlet in app, (from @angular/router) which will then link to all these routes

∴ App will look like

```
imports: [RouterOutlet, HeaderComponent],
template: `
    <app-header />
    <main>                          → will render home by default
        <router-outlet />
    <main />                        → can be linked to todos using
`,                                    routerLink="/todos"
```

3. Now to link them together, we have to import RouterLink and link it some how (using some button, etc.)

∴ in header.component.ts

we import RouterLink from @angular/router

in header.component.html

we can connect it to and tag/item using
routerLink="/todos"
↳ or some path

eg:-

```
<div>
    <span routerLink="/"> Home </span>
    <span routerLink="/todos"> Todos </span>
<div>
```