

MINI PROJECT

Folder Structure to be create:

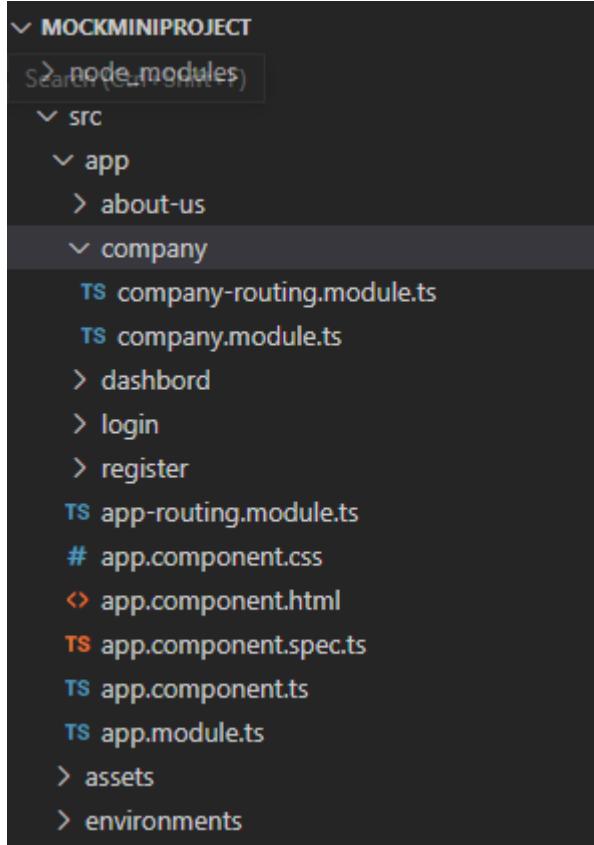
```
> e2e
└ src
  └ app
    > about-us
    > company
    > contact-us
    > dashboard
    > employee
    > login
    > register
    > shared
    TS app-routing.module.ts
    # app.component.css
    <> app.component.html
    TS app.component.spec.ts
    TS app.component.ts
    TS app.module.ts
    TS employee.spec.ts
    TS employee.ts
    > assets
    > environments
    ★ favicon.ico
    <> index.html
    TS main.ts
    TS polyfills.ts
    # styles.css
```

Step 1: create a new project

The folder will look like

```
└ MOCKMINIPROJECT
  > node_modules
  └ src
    <> app
      TS app-routing.module.ts
      # app.component.css
      <> app.component.html
      TS app.component.spec.ts
      TS app.component.ts
      TS app.module.ts
      > assets
      > environments
      ★ favicon.ico
      <> index.html
      TS main.ts
      TS polyfills.ts
      # styles.css
      TS test.ts
```

```
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g c aboutUs
CREATE src/app/about-us/about-us.component.html (23 bytes)
CREATE src/app/about-us/about-us.component.spec.ts (634 bytes)
CREATE src/app/about-us/about-us.component.ts (282 bytes)
CREATE src/app/about-us/about-us.component.css (0 bytes)
UPDATE src/app/app.module.ts (481 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g c dashbord
CREATE src/app/dashbord/dashbord.component.html (23 bytes)
CREATE src/app/dashbord/dashbord.component.spec.ts (640 bytes)
CREATE src/app/dashbord/dashbord.component.ts (283 bytes)
CREATE src/app/dashbord/dashbord.component.css (0 bytes)
UPDATE src/app/app.module.ts (571 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g c login
CREATE src/app/login/login.component.html (28 bytes)
CREATE src/app/login/login.component.spec.ts (619 bytes)
CREATE src/app/login/login.component.ts (271 bytes)
CREATE src/app/login/login.component.css (0 bytes)
UPDATE src/app/app.module.ts (649 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g c register
CREATE src/app/register/register.component.html (23 bytes)
CREATE src/app/register/register.component.spec.ts (640 bytes)
CREATE src/app/register/register.component.ts (283 bytes)
CREATE src/app/register/register.component.css (0 bytes)
UPDATE src/app/app.module.ts (739 bytes)
```



The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** On the left, it shows the project structure under "MOCKMINIPROJECT". The file "company-routing.module.ts" is currently selected.
- Code Editor:** The main area displays the code for "company-routing.module.ts":

```
src > app > company > company-routing.module.ts > ...
1 import { NgModule } from '@angular/core';
2 import { RouterModule, Routes } from '@angular/router';
3
4 const routes: Routes = [];
5
6 @NgModule({
7   imports: [RouterModule.forChild(routes)],
8   exports: [RouterModule]
9 })
10 export class CompanyRoutingModule { }
```

- Terminal:** At the bottom, the terminal window shows the command "ng g m company --routing" being run in a Windows PowerShell environment. The output indicates files were created: "CREATE src/app/company/company-routing.module.ts (256 bytes)" and "CREATE src/app/company/company.module.ts (284 bytes)".
- Status Bar:** The bottom status bar shows the file count (Ln 1, Col 1), spaces used (Spaces: 2), encoding (UTF-8), language (TypeScript), and build status (4.4.2).

File Edit Selection View Go Run Terminal Help company.module.ts - MockMiniProject - Visual Studio Code

EXPLORER ...

MOCKMINIPROJECT

> node_modules

src

> app

> about-us

> company

TS company-routing.module.ts

TS company.module.ts

> dashboard

> login

> register

TS app-routing.module.ts

app.component.css

app.component.html

TS app.component.spec.ts

TS app.component.ts

TS app.module.ts

> assets

> environments

★ favicon.ico

index.html

TS main.ts

TS polyfills.ts

styles.css

TS tests.ts

! .browserslistrc

! .editorconfig

! .gitignore

> OUTLINE

TS company.module.ts x

```
src > app > company > TS company.module.ts > CompanyModule
  1 import { NgModule } from '@angular/core';
  2 import { CommonModule } from '@angular/common';
  3
  4 import { CompanyRoutingModule } from './company-routing.module';
  5
  6
  7 @NgModule({
  8   declarations: [],
  9   imports: [
  10     CommonModule,
  11     CompanyRoutingModule
  12   ]
  13 })
  14 export class CompanyModule { }
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell

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Try the new cross-platform PowerShell <https://aka.ms/powershell6>

```
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g m company --routing
CREATE src/app/company/company-routing.module.ts (256 bytes)
CREATE src/app/company/company.module.ts (284 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> [
```

LN 11, COL 5 (20 selected) Spaces: 2 UTF-8 LF TypeScript 4.4.2 23:15 25°C Cloudy ENG 27/08/2021

Type here to search

Register this to App.module.ts

```

File Edit Selection View Go Run Terminal Help
app.module.ts - MockMiniProject - Visual Studio Code
EXPLORER
MOCKMINIPROJECT
src
  app
    about-us
    company
      company-routing.module.ts
      company.module.ts
      dashboard
      login
      register
      app-routing.module.ts
      # app.component.css
      app.component.html
      app.component.spec.ts
      app.component.ts
      app.modules.ts
      assets
      environments
      favicon.ico
      index.html
      main.ts
      polyfills.ts
      # styles.css
      tests
      browserlistrc
      editorconfig
      .gitignore
  OUTLINE
  0 1
Type here to search
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g m company --routing
CREATE src/app/company/company-routing.module.ts (250 bytes)
CREATE src/app/company/company.module.ts (284 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject>

```

Ln 23, Col 18 (14 selected) Spaces: 2 UTF-8 LF TypeScript 4.4.2 ⚡ 23:16 25°C Cloudy ENG 27/09/2021

Step: create one company component in company module

```

PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g c company/company
CREATE src/app/company/company/company.component.html (22 bytes)
CREATE src/app/company/company/company.component.spec.ts (633 bytes)
CREATE src/app/company/company/company.component.ts (279 bytes)
CREATE src/app/company/company/company.component.css (0 bytes)
UPDATE src/app/company/company.module.ts (372 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject>

```

```

File Edit Selection View Go Run Terminal Help
company.components - MockMiniProject - Visual Studio Code
EXPLORER
MOCKMINIPROJECT
src
  app
    about-us
    company
      company
        company-component.css
        company-component.html
        company-component.spec.ts
        company-component.ts
        company-routing.module.ts
        company.module.ts
      dashboard
      login
      register
      app-routing.module.ts
      # app.component.css
      app.component.html
      app.component.spec.ts
      app.component.ts
      app.modules.ts
      assets
      environments
      favicon.ico
      index.html
      main.ts
      polyfills.ts
      # styles.css
      tests
      browserlistrc
      editorconfig
      .gitignore
  OUTLINE
  0 1
Type here to search
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g m company --routing
CREATE src/app/company/company-routing.module.ts (250 bytes)
CREATE src/app/company/company.module.ts (284 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g c company/company
CREATE src/app/company/company/company.component.html (22 bytes)
CREATE src/app/company/company/company.component.spec.ts (633 bytes)
CREATE src/app/company/company/company.component.ts (279 bytes)
CREATE src/app/company/company/company.component.css (0 bytes)
UPDATE src/app/company/company.module.ts (372 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject>

```

Ln 1, Col 1 Spaces: 2 UTF-8 LF TypeScript 4.4.2 ⚡ 23:17 25°C Cloudy ENG 27/09/2021

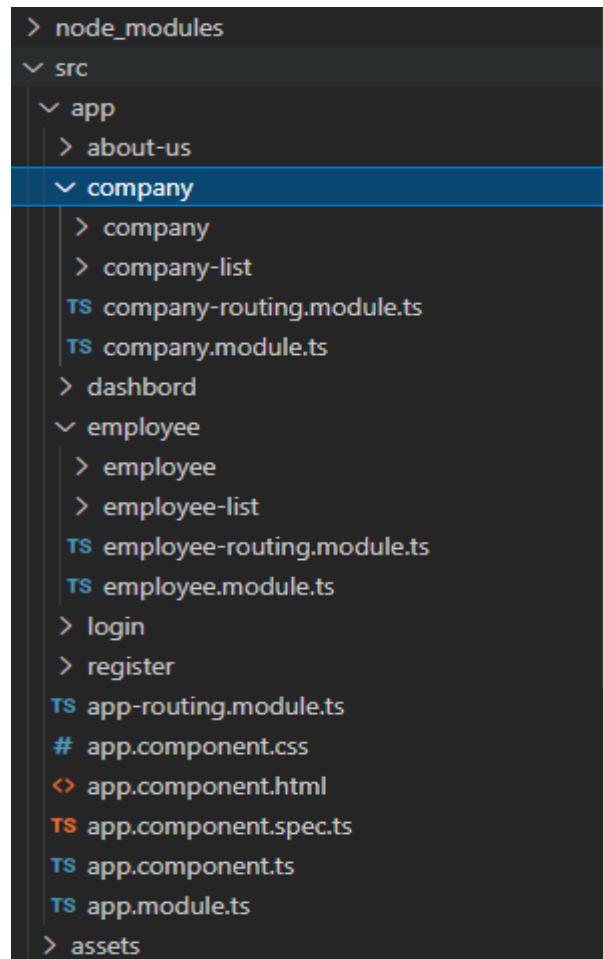
Step: create company-list component in company module

```
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g c company/company-list --skip-tests
CREATE src/app/company/company-list/company-list.component.html (27 bytes)
CREATE src/app/company/company-list/company-list.component.ts (298 bytes)
CREATE src/app/company/company-list/company-list.component.css (0 bytes)
UPDATE src/app/company/company.module.ts (481 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject>
```

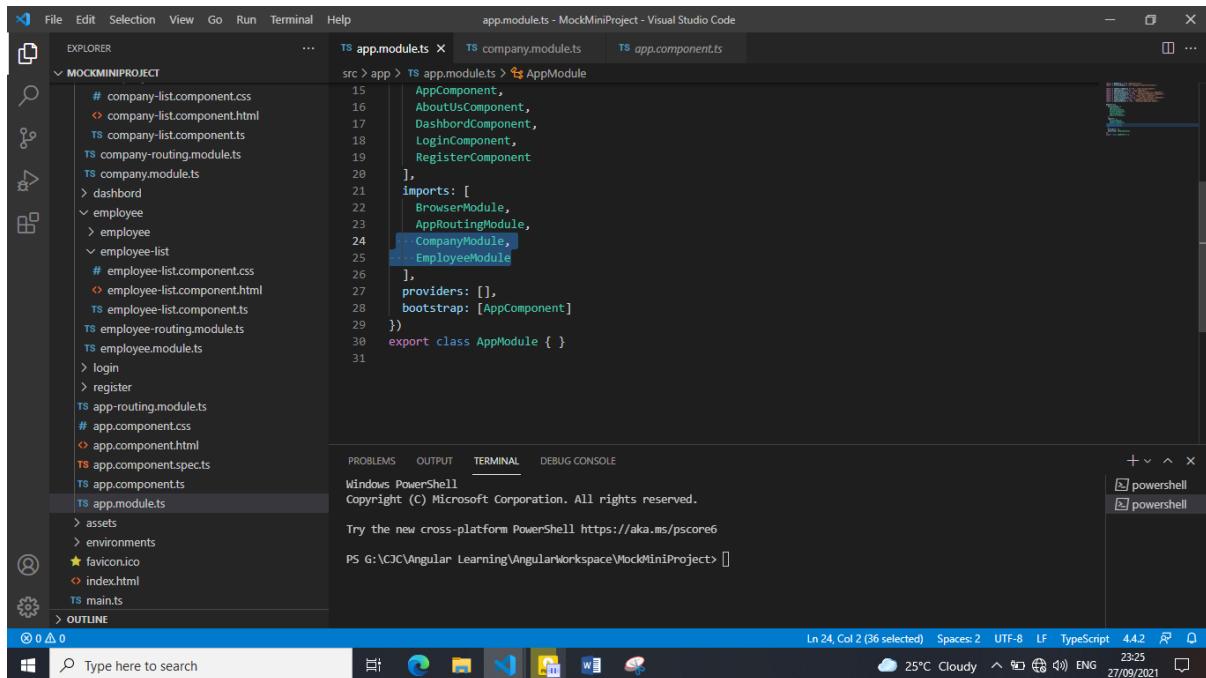
Step: create same for Employee module, routing module, component and employee-list component.

```
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g m employee --routing
CREATE src/app/employee/employee-routing.module.ts (251 bytes)
CREATE src/app/employee/employee.module.ts (288 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g c employee/employee --skip-tests
CREATE src/app/employee/employee/employee.component.html (23 bytes)
CREATE src/app/employee/employee/employee.component.ts (283 bytes)
CREATE src/app/employee/employee/employee.component.css (0 bytes)
UPDATE src/app/employee/employee.module.ts (380 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g c employee/employee-list --skip-tests
CREATE src/app/employee/employee-list/employee-list.component.html (28 bytes)
CREATE src/app/employee/employee-list/employee-list.component.ts (302 bytes)
CREATE src/app/employee/employee-list/employee-list.component.css (0 bytes)
UPDATE src/app/employee/employee.module.ts (488 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject>
```

This will be output



Step: register Company and Employee module in app module



```
File Edit Selection View Go Run Terminal Help app.module.ts - MockMiniProject - Visual Studio Code
EXPLORER ... TS app.module.ts x TS company.module.ts x TS app.component.ts
src > app > TS app.module.ts > AppModule
  15   AppComponent,
  16   AboutUsComponent,
  17   DashboardComponent,
  18   LoginComponent,
  19   RegisterComponent
  20 ],
  21 imports: [
  22   BrowserModule,
  23   AppRoutingModule,
  24   CompanyModule,
  25   EmployeeModule
  26 ],
  27 providers: [],
  28 bootstrap: [AppComponent]
  29 }
  30 export class AppModule { }
  31

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> []

Ln 24, Col 2 (36 selected) Spaces: 2 UTF-8 LF TypeScript 4.4.2 ⚡ 23:25
powershell powershell
27/09/2021 27/09/2021
Type here to search
```

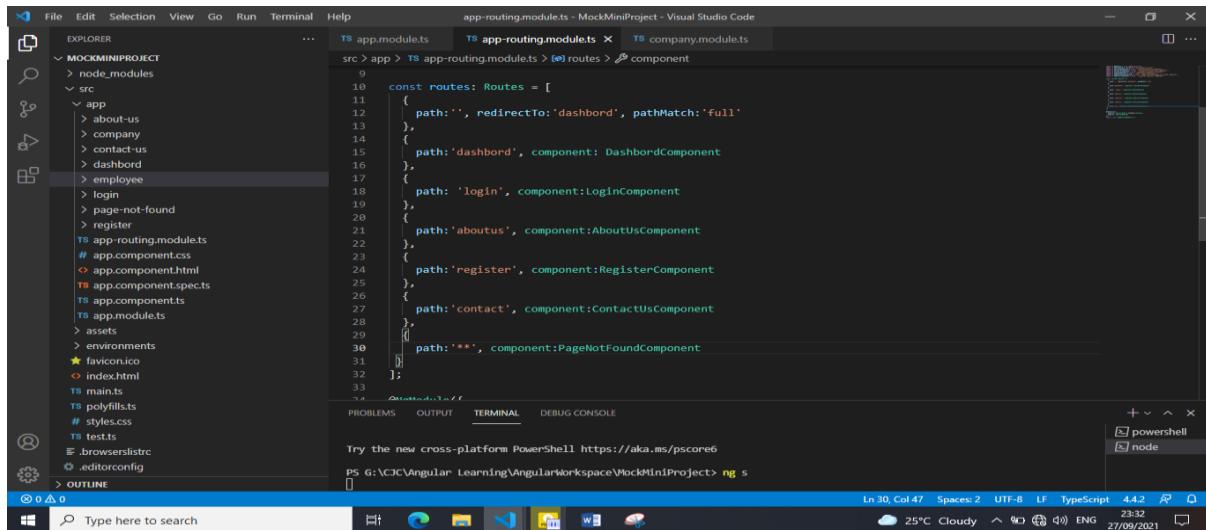
Step: Create contact us component as well.

```
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g c contact-us --skip-tests
CREATE src/app/contact-us/contact-us.component.html (25 bytes)
CREATE src/app/contact-us/contact-us.component.ts (290 bytes)
CREATE src/app/contact-us/contact-us.component.css (0 bytes)
UPDATE src/app/app.module.ts (993 bytes)
```

Step: create pageNotFound component

```
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g c page-not-found --skip-tests
CREATE src/app/page-not-found/page-not-found.component.html (29 bytes)
CREATE src/app/page-not-found/page-not-found.component.ts (305 bytes)
CREATE src/app/page-not-found/page-not-found.component.css (0 bytes)
UPDATE src/app/app.module.ts (1103 bytes)
```

Step: Add routings in app.routing.ts



```
File Edit Selection View Go Run Terminal Help app-routing.module.ts - MockMiniProject - Visual Studio Code
EXPLORER ... TS app.module.ts x TS app-routing.module.ts x TS company.module.ts
src > app > TS app-routing.module.ts > routes > component
  9
 10 const routes: Routes = [
 11   {
 12     path:'', redirectTo:'dashboard', pathMatch:'full'
 13   },
 14   {
 15     path:'dashboard', component: DashboardComponent
 16   },
 17   {
 18     path: 'login', component: LoginComponent
 19   },
 20   {
 21     path:'aboutus', component:AboutUsComponent
 22   },
 23   {
 24     path:'register', component:RegisterComponent
 25   },
 26   {
 27     path:'contact', component:ContactUsComponent
 28   },
 29   {
 30     path:'***', component:PageNotFoundComponent
 31   }
 32 ];
 33

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng s

Ln 30, Col 47 Spaces: 2 UTF-8 LF TypeScript 4.4.2 ⚡ 23:32
node
27/09/2021 27/09/2021
Type here to search
```

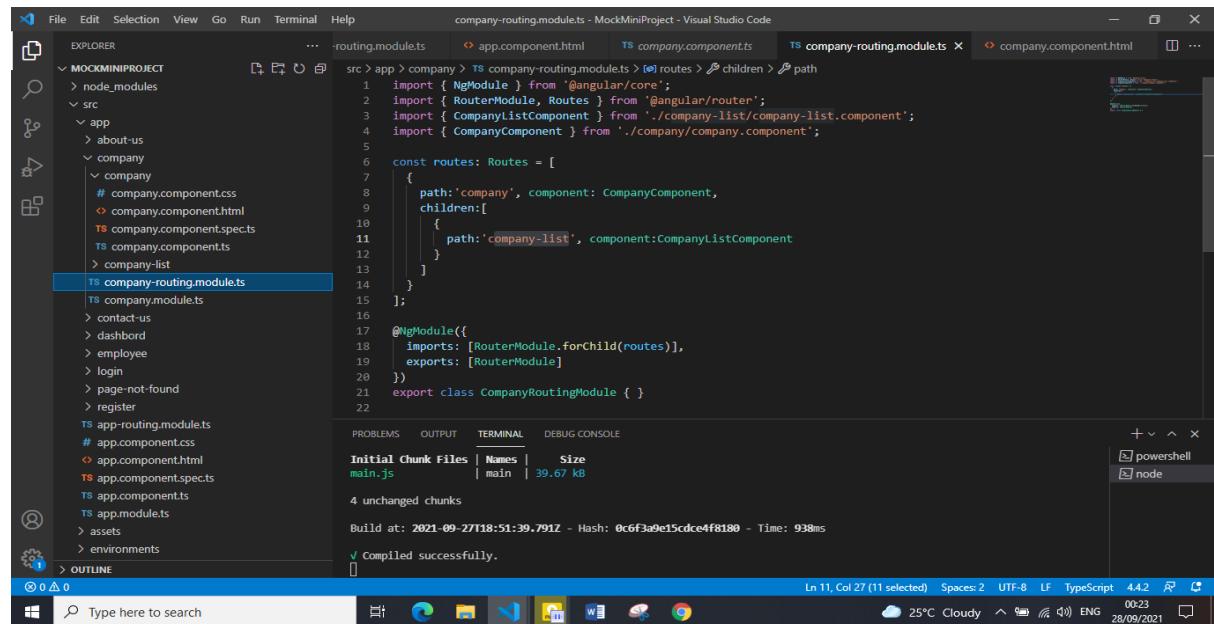
Step: Add below in app.component.html

```
<nav class="navbar navbar-dark bg-dark navbar-expand-md">
  <a href="#" class="navbar-brand">Mock Project</a>
  <button class="navbar-toggler" data-bs-toggle="collapse" data-bs-target="#navbar">
    <span class="navbar-toggler-icon"></span>
  </button>
  <div class="navbar-collapse collapse" id="navbar">
    <ul class="navbar-nav">
      <li class="nav-item"><a routerLink="dashboard" class="nav-link">Home</a></li>
      <li class="nav-item"><a routerLink="company" class="nav-link">Company</a></li>
      <li class="nav-item"><a routerLink="employee" class="nav-link">Employee</a></li>
      <li class="nav-item"><a routerLink="about-us" class="nav-link">AboutUs</a></li>
      <li class="nav-item"><a routerLink="contact-us" class="nav-link">Contact</a></li>
    </ul>
  </div>
</nav>
<router-outlet></router-outlet>
```

Step: install bootstrap and font-awesome

- npm i [bootstrap@4.4.1](#)
- npm i font-awesome

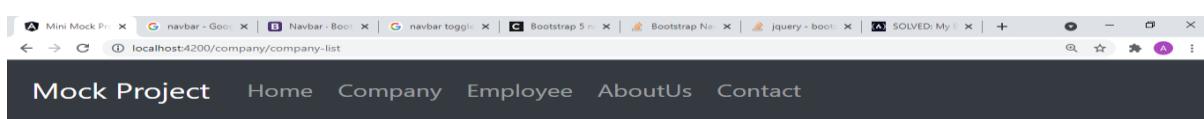
Step:



```

File Edit Selection View Go Run Terminal Help company.component.html - MockMiniProject - Visual Studio Code
EXPLORER ... -routing.module.ts app.component.html TS company.component.ts TS company-routing.module.ts company.component.html ...
MOCKMINIPROJECT ...
src > app > company > company > company.component.html > router-outlet
1 <p>company works!</p>
2 <a routerLink="company-list" class="nav-link">Company List</a>
3 <router-outlet>/router-outlet</router-outlet>
app
> about-us
> company
> company
# company.component.css
company.component.html
TS company.component.spec.ts
TS company.component.ts
> company-list
TS company-routing.module.ts
TS company.module.ts
> contact-us
> dashboard
> employee
> login
> page-not-found
> register
TS app-routing.module.ts
# app.component.css
app.component.html
TS app.component.spec.ts
TS app.component.ts
TS app.module.ts
> assets
> environments
> OUTLINE
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Initial Chunk Files | Names | Size
main.js | main | 39.67 kB
4 unchanged chunks
Build at: 2021-09-27T18:51:39.791Z - Hash: 0c6f3a9e15cdce4f8180 - Time: 938ms
✓ Compiled successfully.
Ln 3, Col 32 Spaces: 4 UTF-8 LF HTML ⚡ 25°C Cloudy 00:23 28/09/2021
Type here to search

```



company works!
Company List
company-list works!



Step:

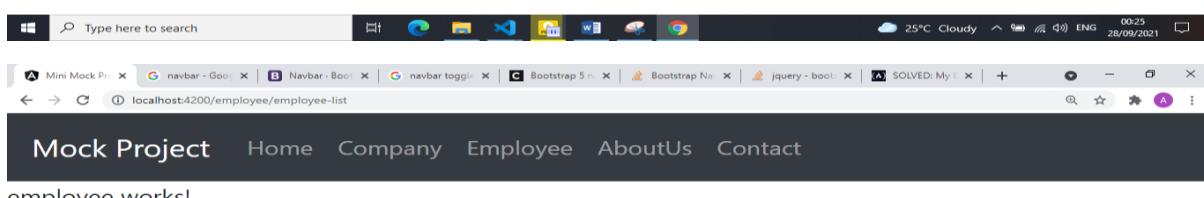
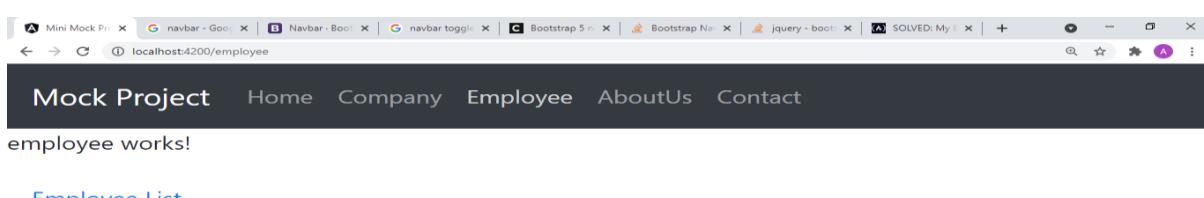
```

File Edit Selection View Go Run Terminal Help employee-routing.module.ts - MockMiniProject - Visual Studio Code
EXPLORER ... -routing.module.ts app.component.html TS employee-routing.module.ts TS employee-routing.module.ts company.component.htm ...
MOCKMINIPROJECT ...
src > app > employee > TS employee-routing.module.ts > routes > children > component
1 import { NgModule } from '@angular/core';
2 import { RouterModule, Routes } from '@angular/router';
3 import { EmployeeListComponent } from './employee-list/employee-list.component';
4 import { EmployeeComponent } from './employee/employee.component';
5
6 const routes: Routes = [
7   {
8     path:'employee', component:EmployeeComponent,
9     children:[
10       {
11         path:'employee-list', component:EmployeeListComponent
12       }
13     ]
14   }
15 ];
16
17 @NgModule({
18   imports: [RouterModule.forChild(routes)],
19   exports: [RouterModule]
20 })
21 export class EmployeeRoutingModule { }
22
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Initial Chunk Files | Names | Size
main.js | main | 40.31 kB
4 unchanged chunks
Build at: 2021-09-27T18:54:34.913Z - Hash: 0e4e83e31968369f4c06 - Time: 1082ms
✓ Compiled successfully.
Ln 11, Col 62 Spaces: 2 UTF-8 LF TypeScript 4.4.2 ⚡ 25°C Cloudy 00:24 28/09/2021
Type here to search

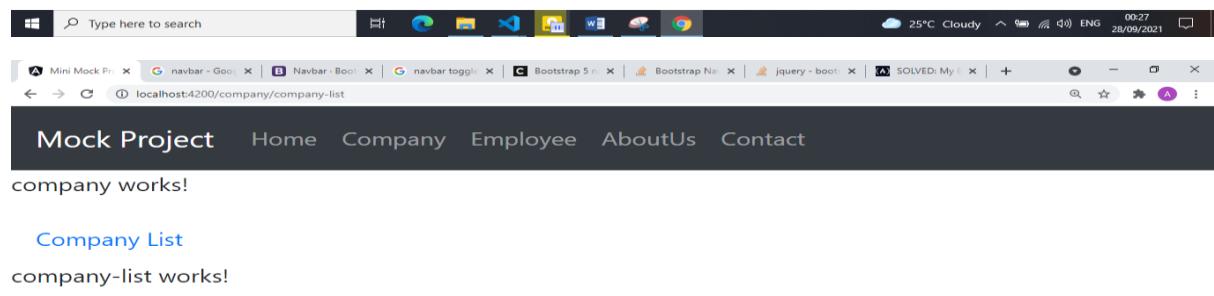
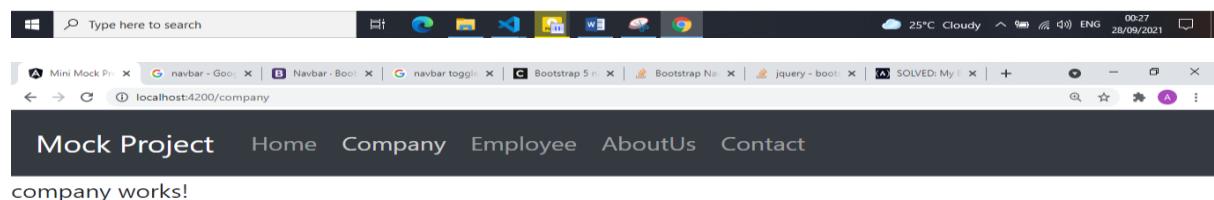
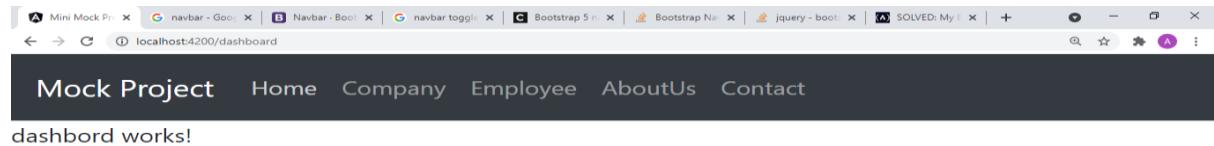
```

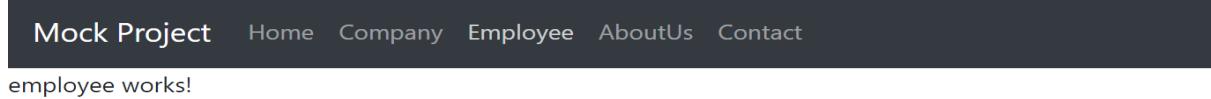
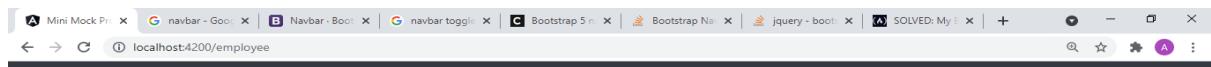
The screenshot shows the Visual Studio Code interface with the following details:

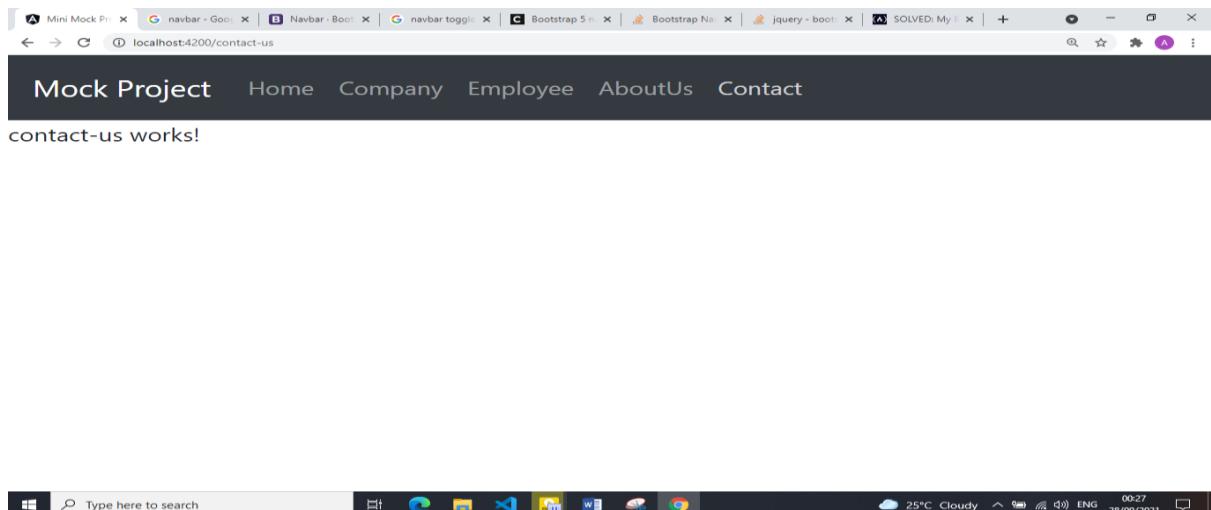
- File Explorer:** Shows the project structure under "MOCKMINIPROJECT".
- Code Editor:** Displays the content of "employee.component.html" which includes an [Employee List](#).
- Terminal:** Shows the build output, including the initial chunk file "main.js" (40.95 kB) and a success message indicating compilation was successful.
- Bottom Bar:** Includes a search bar, taskbar icons, and system status information (25°C, Cloudy, 00:25, 28/09/2021).



Output:





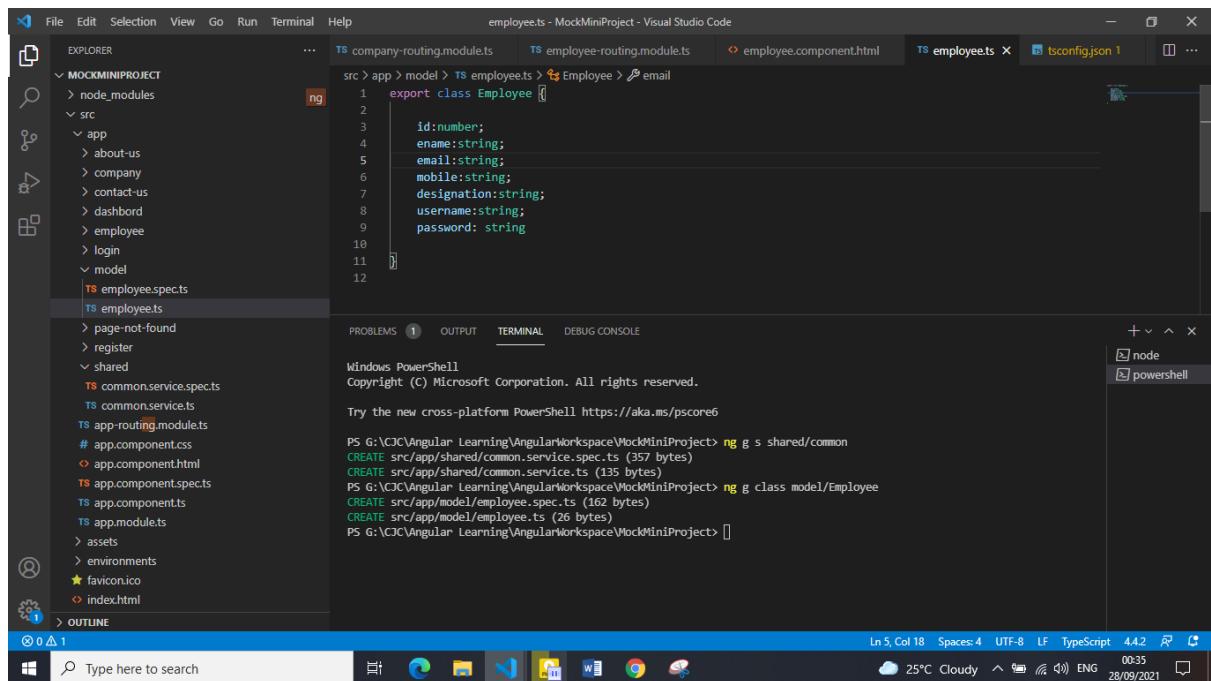


Step: create Service

```
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g s shared/common
CREATE src/app/shared/common.service.spec.ts (357 bytes)
CREATE src/app/shared/common.service.ts (135 bytes)
```

Step: Create class as Employee

```
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g class model/Employee
CREATE src/app/model/employee.spec.ts (162 bytes)
CREATE src/app/model/employee.ts (26 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject>
```



Step: create db.json

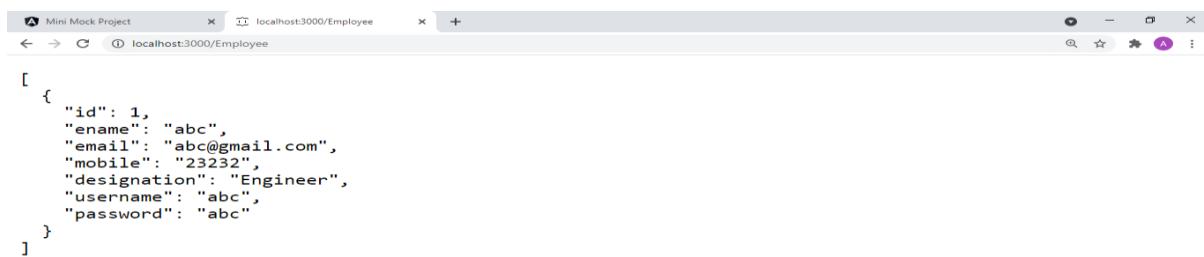
The screenshot shows the Visual Studio Code interface with the 'employee.ts' file open in the editor. The terminal at the bottom shows the command 'ng g s shared/common' being run, which generates a new service named 'common.service.ts'. The code editor shows the generated service code.

```
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> npm i json-server -g
C:\Users\Avinash\AppData\Roaming\npm\json-server -> C:\Users\Avinash\AppData\Roaming\npm\node_modules\json-server\lib\cli\bin.js
+ json-server@0.16.3
removed 9 packages and updated 8 packages in 18.737s
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject>
```

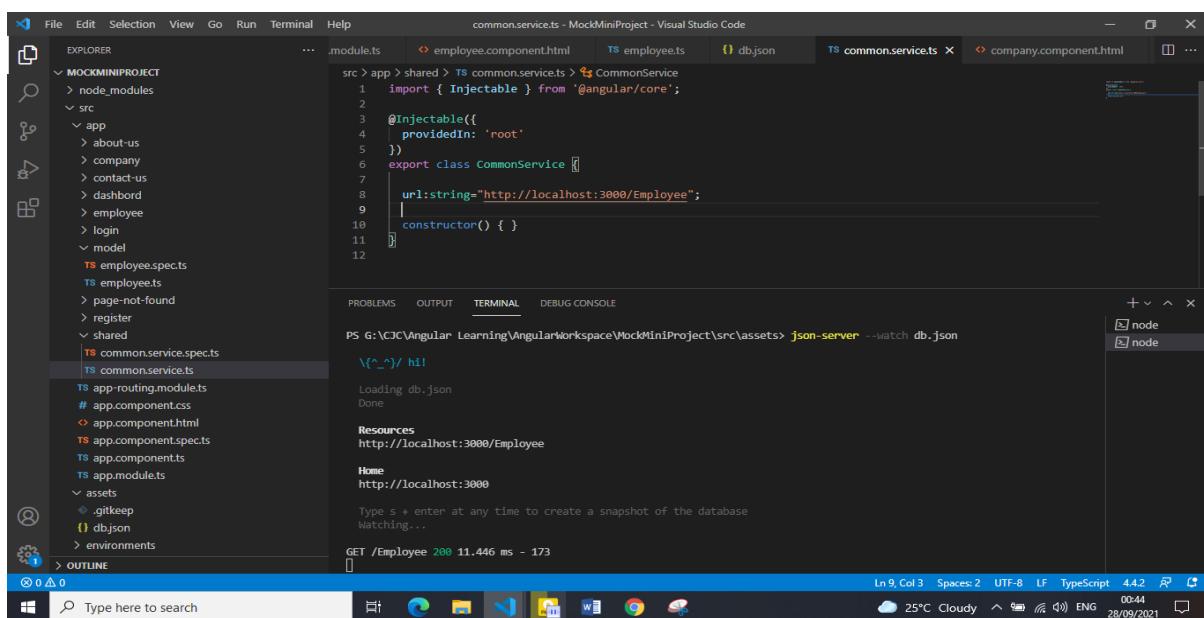
The screenshot shows the Visual Studio Code interface with the 'db.json' file open in the editor. The code editor shows a JSON array of employee objects. The terminal at the bottom shows the command 'json-server --watch db.json' being run, which starts a JSON server on port 3000. The output shows the server listening on port 3000 and the URL 'http://localhost:3000/Employee'.

```
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> json-server --watch db.json
\(^_~)/ hi!
Loading db.json
Done
Resources
http://localhost:3000/Employee
Home
http://localhost:3000

Type s + enter at any time to create a snapshot of the database
Watching...
```



```
[{"id": 1, "ename": "abc", "email": "abc@gmail.com", "mobile": "23232", "designation": "Engineer", "username": "abc", "password": "abc"}]
```

File Explorer:

- MOCKMINIPROJECT
 - > node_modules
 - < src
 - > app
 - > about-us
 - > company
 - > contact-us
 - > dashboard
 - > employee
 - > login
 - < model
 - TS employee.specs
 - TS employee.ts
 - > page-not-found
 - > register
 - < shared
 - TS common.service.ts
 - TS common.service.spec.ts
 - TS app-routing.module.ts
 - # app.component.css
 - TS app.component.html
 - TS app.component.spec.ts
 - TS app.component.ts
 - TS app.module.ts
 - < assets
 - ↳ .gitkeep
 - ↳ db.json
 - > environments

Code Editor: common.service.ts - MockMiniProject - Visual Studio Code

```
src > app > shared > TS common.service.ts > CommonService
1 import { Injectable } from '@angular/core';
2
3 @Injectable({
4   providedIn: 'root'
5 })
6 export class CommonService {
7
8   url:string="http://localhost:3000/Employee";
9
10  constructor() { }
11}
```

Terminal:

```
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject\src\assets> json-server --watch db.json
\^_~\$/ hil
Loading db.json
Done
Resources
http://localhost:3000/Employee
Home
http://localhost:3000
< assets
↳ .gitkeep
↳ db.json
> environments
```

Type s + enter at any time to create a snapshot of the database
Matching...

GET /Employee 200 11.446 ms - 173

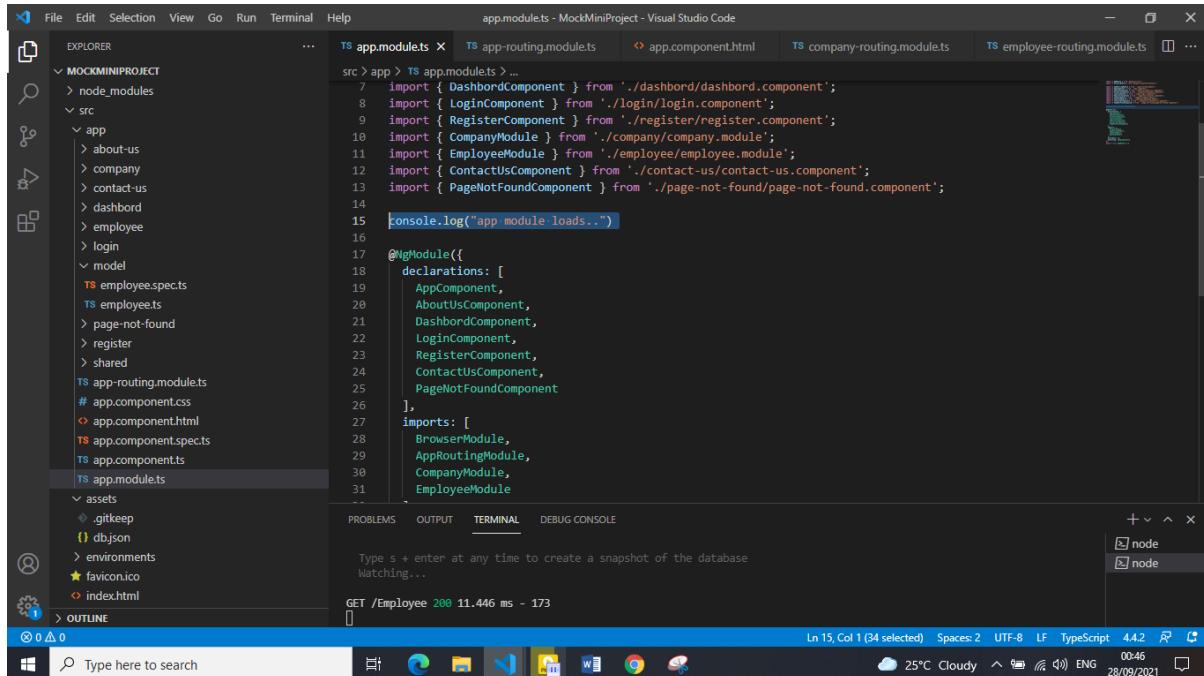
Bottom Status Bar:

```
Ln 9, Col 3 Spaces: 2 UTF-8 LF TypeScript 4.4.2 00:44 28/09/2021
```

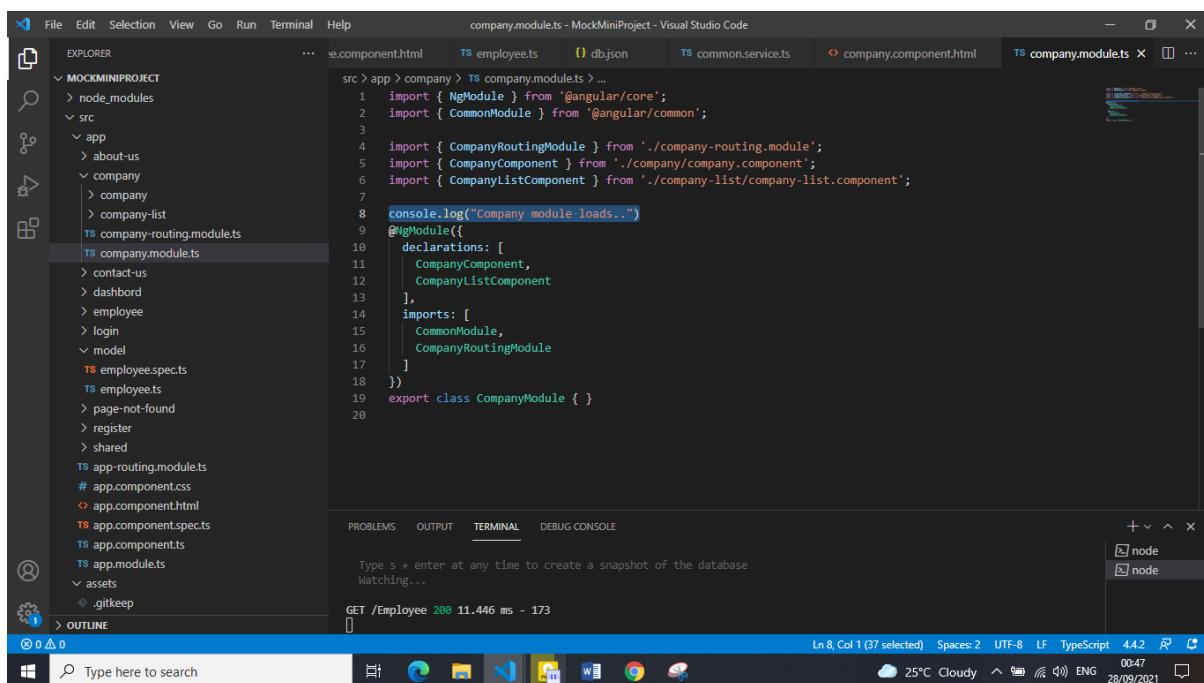
Lazy Loading

We will check when the components gets load?

To check this, we add the `console.log()` in modules like



```
src > app > TS app.module.ts > ...
    7 import { DashboardComponent } from './dashbord/dashbord.component';
    8 import { LoginComponent } from './login/login.component';
    9 import { RegisterComponent } from './register/register.component';
   10 import { CompanyModule } from './company/company.module';
   11 import { EmployeeModule } from './employee/employee.module';
   12 import { ContactUsComponent } from './contact-us/contact-us.component';
   13 import { PageNotFoundComponent } from './page-not-found/page-not-found.component';
   14
  15 console.log("app module loads...")
  16
  17 @NgModule({
  18   declarations: [
  19     AppComponent,
  20     AboutUsComponent,
  21     DashboardComponent,
  22     LoginComponent,
  23     RegisterComponent,
  24     ContactUsComponent,
  25     PageNotFoundComponent
  26   ],
  27   imports: [
  28     BrowserModule,
  29     AppRoutingModule,
  30     CompanyModule,
  31     EmployeeModule
  32   ]
  33 })
  34 export class AppModule { }
```



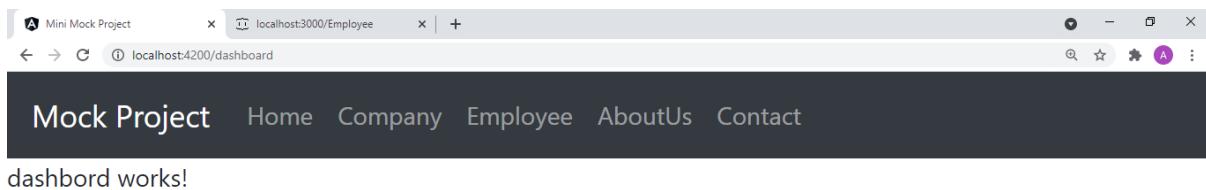
```
src > app > company > TS company.module.ts > ...
    1 import { NgModule } from '@angular/core';
    2 import { CommonModule } from '@angular/common';
    3
    4 import { CompanyRoutingModule } from './company-routing.module';
    5 import { CompanyComponent } from './company/company.component';
    6 import { CompanyListComponent } from './company-list/company-list.component';
    7
  8 console.log("Company module loads...")
  9 @NgModule({
 10   declarations: [
 11     CompanyComponent,
 12     CompanyListComponent
 13   ],
 14   imports: [
 15     CommonModule,
 16     CompanyRoutingModule
 17   ]
 18 })
 19 export class CompanyModule { }
```

```

File Edit Selection View Go Run Terminal Help
employee.module.ts - MockMiniProject - Visual Studio Code
EXPLORER ... TS employee-routing.module.ts TS employee.module.ts < employee.component.html TS employee.ts {} db.json TS comm ...
MOCKMINIPROJECT
> node_modules
src
  > app
    > about-us
    > company
      > company-list
        TS company-routing.module.ts
        TS company.module.ts
    > contact-us
    > dashboard
    > employee
      > employee
      > employee-list
        TS employee-routing.module.ts
        TS employee.module.ts
    > login
    > model
      TS employee.specs
      TS employees
    > page-not-found
    > register
    > shared
      TS app-routing.module.ts
      # app.component.css
      < app.component.html
      TS app.component.specs
    > OUTLINE
    < Type here to search
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
+ ^ x
node
node
Type s + enter at any time to create a snapshot of the database
Matching...
GET /Employee 200 11.446 ms - 173
Ln 8, Col 1 (38 selected) Spaces: 2 UTF-8 LF TypeScript 4.4.2 ⚡ 🌐
25°C Cloudy 00:47 ENG 28/09/2021

```

See, All module gets load same time, but we want to load that when we calls



```

Elements Console Sources Network Performance Memory Application Security Lighthouse
Default levels 1 Issue: 1
Company module loads.. company.module.ts:8
Employee module loads.. employee.module.ts:8
app module loads.. app.module.ts:15
Angular is running in development mode. Call enableProdMode() to enable production mode.
[WDS] Live Reloading enabled.
core.js:28039
index.js:52

```



To achieve lazy loading remove modules from ap.module.ts

```

src > app > TS app-routing.module.ts > AppModule
      console.log("app module loads...")
      @NgModule({
        declarations: [
          AppComponent,
          AboutUsComponent,
          DashboardComponent,
          LoginComponent,
          RegisterComponent,
          ContactUsComponent,
          PageNotFoundComponent
        ],
        imports: [
          BrowserModule,
          AppRoutingModule,
          CompanyModule,
          EmployeeModule
        ],
        providers: [],
        bootstrap: [AppComponent]
      })
      export class AppModule { }

```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Type s + enter at any time to create a snapshot of the database
Watching...

GET /Employee 200 11.446 ms - 173

Ln 30, Col 5 (33 selected) Spaces: 2 UTF-8 LF TypeScript 4.4.2

```

src > app > TS app-routing.module.ts > AppModule
      import { ContactUsComponent } from './contact-us/contact-us.component';
      import { PageNotFoundComponent } from './page-not-found/page-not-found.component';

      console.log("app module loads...")

      @NgModule({
        declarations: [
          AppComponent,
          AboutUsComponent,
          DashboardComponent,
          LoginComponent,
          RegisterComponent,
          ContactUsComponent,
          PageNotFoundComponent
        ],
        imports: [
          BrowserModule,
          AppRoutingModule
        ],
        providers: [],
        bootstrap: [AppComponent]
      })
      export class AppModule { }

```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Type s + enter at any time to create a snapshot of the database
Watching...

GET /Employee 200 11.446 ms - 173

Ln 30, Col 22 Spaces: 2 UTF-8 LF TypeScript 4.4.2

GO to the appouting module and do as below

```

src > app > TS app-routing.module.ts > routes
      'path: '', redirectTo:'dashboard', pathMatch:'full'
      ],
      {
        path:'dashboard', component: DashboardComponent
      },
      {
        path: 'login', component: LoginComponent
      },
      {
        path:'about-us', component:AboutUsComponent
      },
      {
        path: 'register', component:RegisterComponent
      },
      {
        path: 'contact-us', component>ContactUsComponent
      }
    ],
    Select for Compare
    Find File References
    Cut Ctrl+X
    Copy Ctrl+C
    Copy Path Shift+Alt+C
    Copy Relative Path Ctrl+K Ctrl+Shift+C
    Rename F2
    Delete Delete

```

TERMINAL DEBUG CONSOLE

Type s + enter at any time to create a snapshot of the database
Watching...

446 ms - 173

Ln 31, Col 38 Spaces: 2 UTF-8 LF TypeScript 4.4.2

```

File Edit Selection View Go Run Terminal Help
app-routing.module.ts - MockMiniProject - Visual Studio Code
src > app > TS app-routing.module.ts > routes > loadChildren
  path: '', redirectTo: 'dashboard', pathMatch: 'full'
  {
    path: 'dashboard', component: DashboardComponent
  },
  {
    path: 'login', component: LoginComponent
  },
  {
    path: 'about-us', component: AboutUsComponent
  },
  {
    path: 'register', component: RegisterComponent
  },
  {
    path: 'contact-us', component: ContactUsComponent
  },
  {
    path: 'company',
    loadChildren: () => import('src/app/company/company.module').then(module => module.CompanyModule)
  }
];
@NgModule({
  imports: [RouterModule.forRoot(routes)],
  exports: [RouterModule]
})
export class AppRoutingModule { }

```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Type s + enter at any time to create a snapshot of the database
Watching...

GET /Employee 200 11.446 ms - 173

Ln 31, Col 97 Spaces: 2 UTF-8 LF TypeScript 4.4.2 ⚡ 00:55 28/09/2021

```

File Edit Selection View Go Run Terminal Help
app-routing.module.ts - MockMiniProject - Visual Studio Code
src > app > TS app-routing.module.ts > routes > loadChildren > then() callback
  path: 'about-us', component: AboutUsComponent
  {
    path: 'register', component: RegisterComponent
  },
  {
    path: 'contact-us', component: ContactUsComponent
  },
  {
    path: 'company',
    loadChildren: () => import('src/app/company/company.module').then(module => module.CompanyModule)
  },
  {
    path: 'employee',
    loadChildren: () => import('src/app/employee/employee.module').then(module => module.EmployeeModule)
  }
];
@NgModule({
  imports: [RouterModule.forRoot(routes)],
  exports: [RouterModule]
})
export class AppRoutingModule { }

```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Type s + enter at any time to create a snapshot of the database
Watching...

GET /Employee 200 11.446 ms - 173

Ln 35, Col 99 Spaces: 2 UTF-8 LF TypeScript 4.4.2 ⚡ 00:56 28/09/2021

Then, go to company and employee routing module and remove path, as below

From:

```

File Edit Selection View Go Run Terminal Help
company-routing.module.ts - MockMiniProject - Visual Studio Code
src > app > company > TS company-routing.module.ts > routes > path
  import { NgModule } from '@angular/core';
  import { RouterModule, Routes } from '@angular/router';
  import { CompanyListComponent } from './company-list/company-list.component';
  import { CompanyComponent } from './company/company.component';

  const routes: Routes = [
    {
      path: 'company', component: CompanyComponent,
      children: [
        {
          path: 'company-list', component: CompanyListComponent
        }
      ]
    }
  ];
@NgModule({
  imports: [RouterModule.forChild(routes)],
  exports: [RouterModule]
})
export class CompanyRoutingModule { }

```

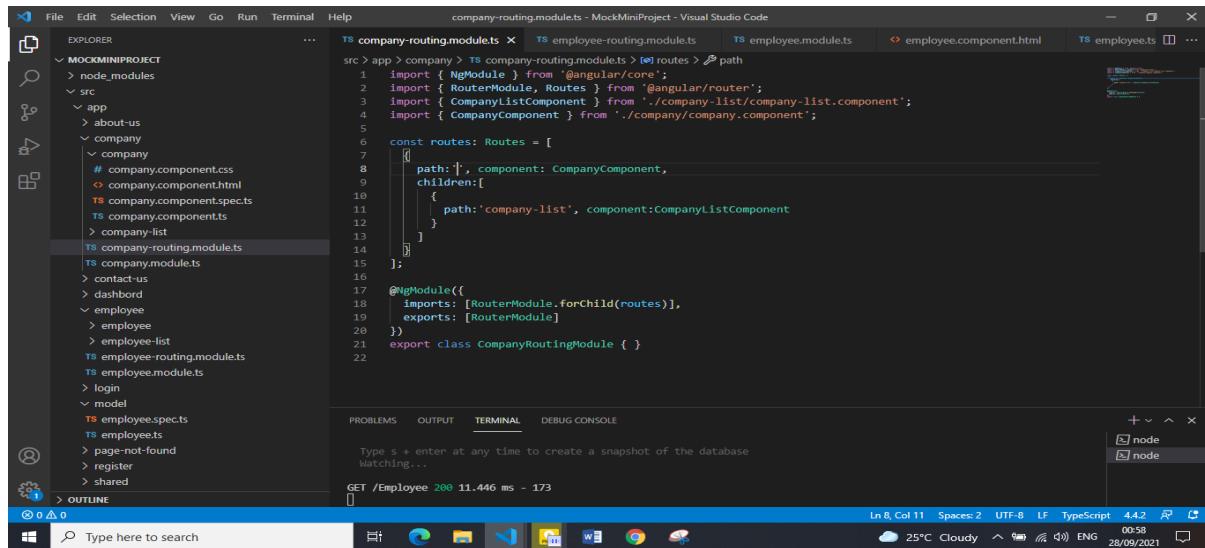
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Type s + enter at any time to create a snapshot of the database
Watching...

GET /Employee 200 11.446 ms - 173

Ln 8, Col 18 (7 selected) Spaces: 2 UTF-8 LF TypeScript 4.4.2 ⚡ 00:57 28/09/2021

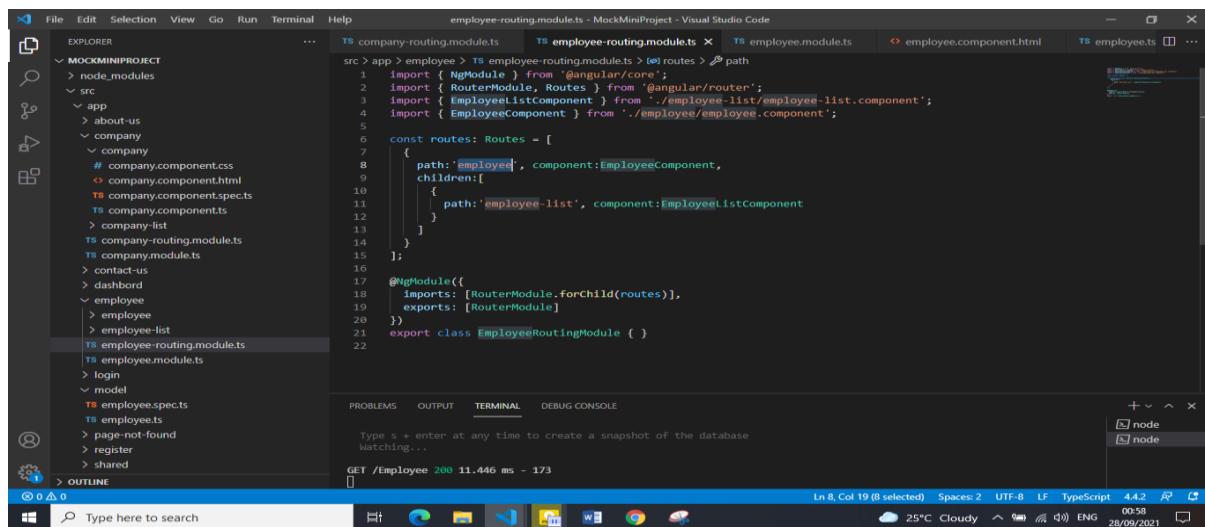
To:



```
company-routing.module.ts - MockMiniProject - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER TS company-routing.module.ts TS employee-routing.module.ts TS employee.module.ts employee.component.html TS employee.ts ...
MOCKMINIPROJECT
src
  app
    > about-us
    > company
      # company.component.css
      company.component.html
      TS company.component.specs
      TS company.component.ts
    > company-list
    TS company-routing.module.ts
    TS company.module.ts
  > contact-us
  > dashboard
  > employee
    > employee
    > employee-list
    TS employee-routing.module.ts
    TS employee.module.ts
  > login
  > model
    TS employee.specs
    TS employees.ts
  > page-not-found
  > register
  > shared
  > OUTLINE
  Type here to search
  PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
  Type s + enter at any time to create a snapshot of the database
  Watching...
  GET /Employee 200 11.446 ms - 173
  Ln 8, Col 11 Spaces: 2 UTF-8 LF TypeScript 4.4.2
  25°C Cloudy ENG 00:58 28/09/2021
```

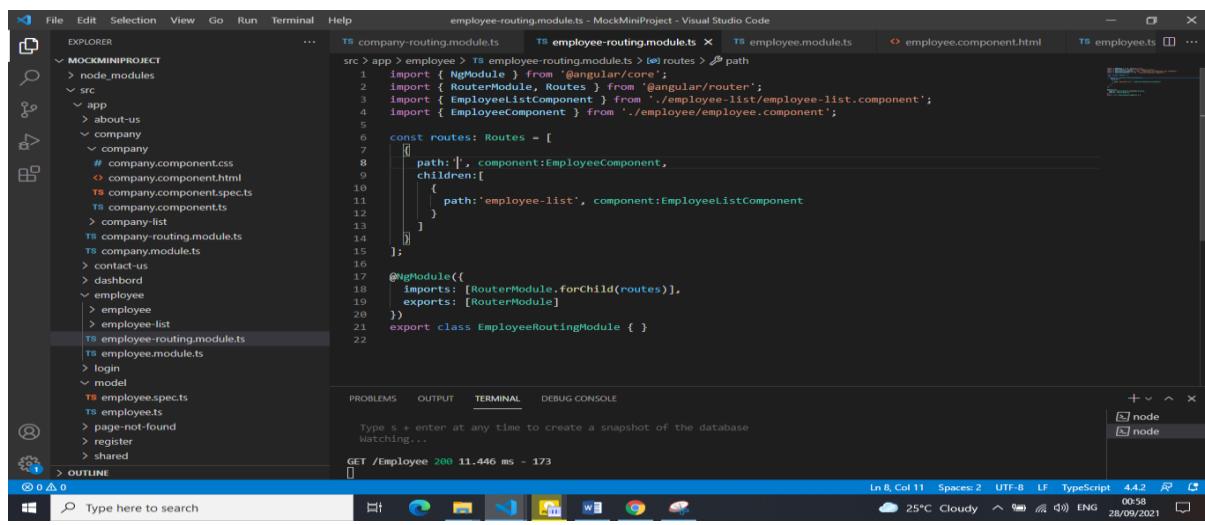
Same for employee,

From:



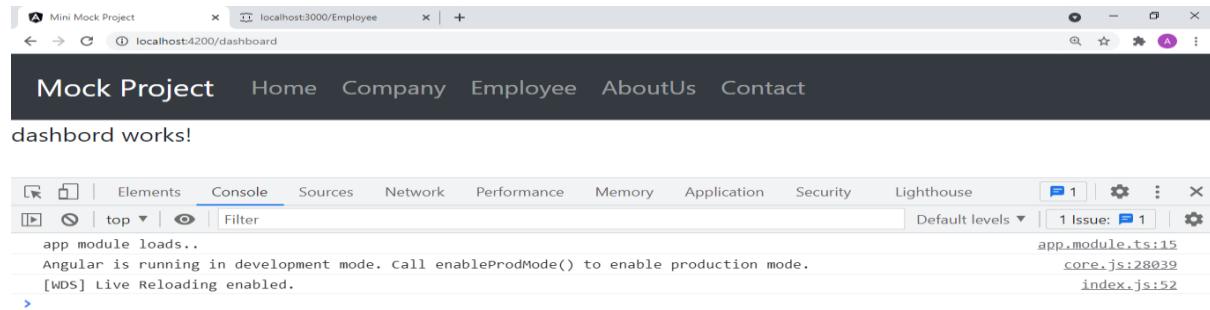
```
employee-routing.module.ts - MockMiniProject - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER TS company-routing.module.ts TS employee-routing.module.ts TS employee.module.ts employee.component.html TS employee.ts ...
MOCKMINIPROJECT
src
  app
    > about-us
    > company
      # company.component.css
      company.component.html
      TS company.component.specs
      TS company.component.ts
    > company-list
    TS company-routing.module.ts
    TS company.module.ts
  > contact-us
  > dashboard
  > employee
    > employee
    > employee-list
    TS employee-routing.module.ts
    TS employee.module.ts
  > login
  > model
    TS employee.specs
    TS employees.ts
  > page-not-found
  > register
  > shared
  > OUTLINE
  Type here to search
  PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
  Type s + enter at any time to create a snapshot of the database
  Watching...
  GET /Employee 200 11.446 ms - 173
  Ln 8, Col 19 (8 selected) Spaces: 2 UTF-8 LF TypeScript 4.4.2
  25°C Cloudy ENG 00:58 28/09/2021
```

To:



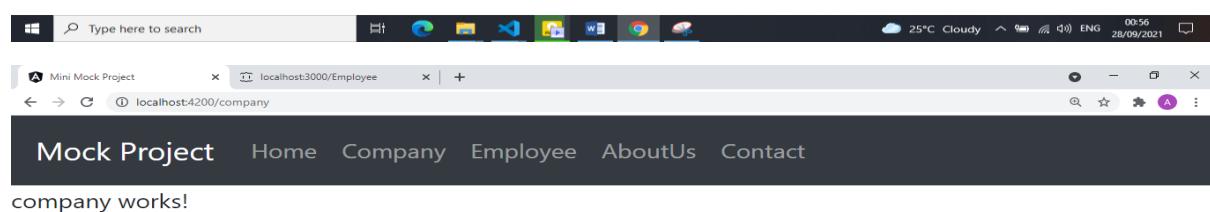
```
employee-routing.module.ts - MockMiniProject - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER TS company-routing.module.ts TS employee-routing.module.ts TS employee.module.ts employee.component.html TS employee.ts ...
MOCKMINIPROJECT
src
  app
    > about-us
    > company
      # company.component.css
      company.component.html
      TS company.component.specs
      TS company.component.ts
    > company-list
    TS company-routing.module.ts
    TS company.module.ts
  > contact-us
  > dashboard
  > employee
    > employee
    > employee-list
    TS employee-routing.module.ts
    TS employee.module.ts
  > login
  > model
    TS employee.specs
    TS employees.ts
  > page-not-found
  > register
  > shared
  > OUTLINE
  Type here to search
  PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
  Type s + enter at any time to create a snapshot of the database
  Watching...
  GET /Employee 200 11.446 ms - 173
  Ln 8, Col 11 Spaces: 2 UTF-8 LF TypeScript 4.4.2
  25°C Cloudy ENG 00:58 28/09/2021
```

Now see,



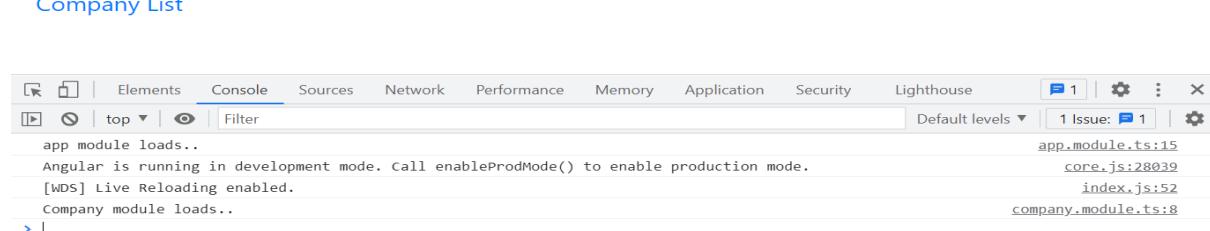
The screenshot shows a browser window with the URL `localhost:4200/dashboard`. The page title is "Mock Project". Below the title, there is a navigation bar with links: Home, Company, Employee, AboutUs, Contact. The main content area displays the text "dashbord works!". At the bottom of the browser window, the developer tools' Console tab is active, showing the following logs:

```
app module loads..
Angular is running in development mode. Call enableProdMode() to enable production mode.
[WDS] Live Reloading enabled.
```



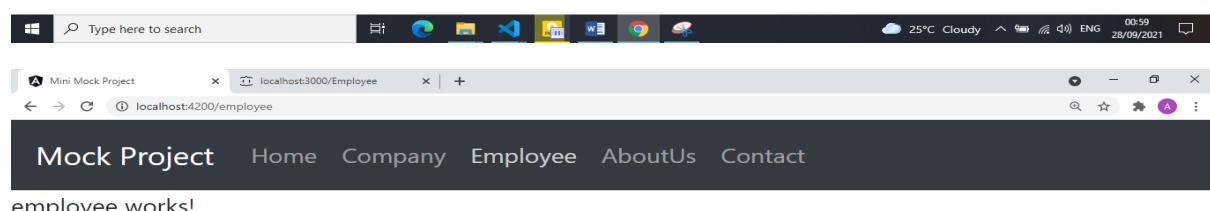
The screenshot shows a browser window with the URL `localhost:4200/company`. The page title is "Mock Project". Below the title, there is a navigation bar with links: Home, Company, Employee, AboutUs, Contact. The main content area displays the text "company works!". At the bottom of the browser window, the developer tools' Console tab is active, showing the following logs:

```
app module loads..
Angular is running in development mode. Call enableProdMode() to enable production mode.
[WDS] Live Reloading enabled.
```



The screenshot shows a browser window with the URL `localhost:4200/employee`. The page title is "Mock Project". Below the title, there is a navigation bar with links: Home, Company, Employee, AboutUs, Contact. The main content area displays the text "employee works!". At the bottom of the browser window, the developer tools' Console tab is active, showing the following logs:

```
app module loads..
Angular is running in development mode. Call enableProdMode() to enable production mode.
[WDS] Live Reloading enabled.
```



The screenshot shows a browser window with the URL `localhost:4200/employee/employee-list`. The page title is "Mock Project". Below the title, there is a navigation bar with links: Home, Company, Employee, AboutUs, Contact. The main content area displays the text "employee works!". At the bottom of the browser window, the developer tools' Console tab is active, showing the following logs:

```
app module loads..
Angular is running in development mode. Call enableProdMode() to enable production mode.
[WDS] Live Reloading enabled.
```

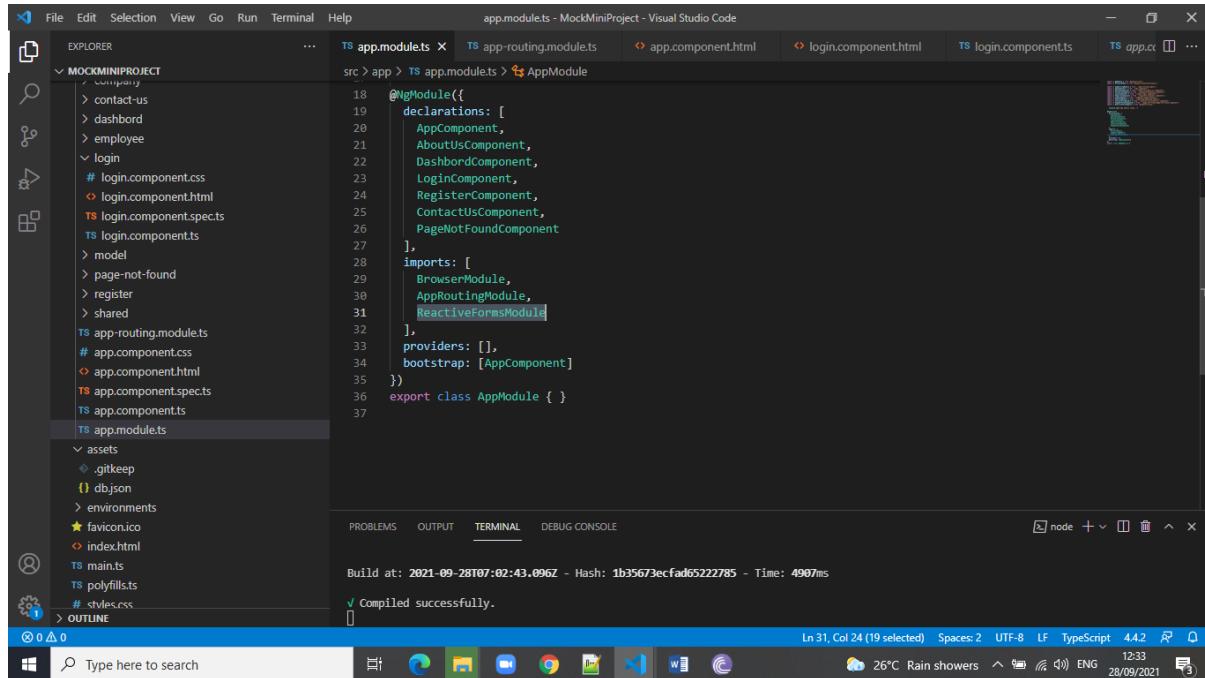
Login and Registration

We have already created the component for **login** and **registration**.

Step: paste below login code in login.component.html

```
<div class="page-wrapper">
  <div class="authentication-box">
    <div class="container">
      <div class="row">
        <div class="col-md-12 p-0 card-right">
          <div class="card tab2-card">
            <div class="card-body">
              <h2 style="color: red;">Login Here....</h2>
              <form [formGroup]="loginForm" (ngSubmit)="onLoginSubmit()">
                <!--login form start -->
                <div class="tab-pane fade active show" id="account" role="tabpanel"
                     aria-labelledby="account-tab">
                  <div class="form-group">
                    <input type="text" class="form-control" placeholder="Username"
                           formControlName="userName">
                  </div>
                  <div class="form-group">
                    <input type="password" class="form-control" placeholder="Password"
                           formControlName="password">
                  </div>
                  <div class="form-button">
                    <button class="btn btn-primary" type="submit">Login</button>
                  </div>
                </div>
                <!--login form end -->
              </form>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
  <div style="text-align: center; color: red;">
    <a routerLink="register">Click Here to Register</a>
  </div>
```

Step: register the ReactiveFormsModule in parent module



The screenshot shows the Visual Studio Code interface with the file `app.module.ts` open. The code imports `ReactiveFormsModule` from `@angular/forms`. The terminal below shows the build output: "Compiled successfully."

```
src > app > TS app.module.ts - MockMiniProject - Visual Studio Code
18 @NgModule({
19   declarations: [
20     AppComponent,
21     AboutUsComponent,
22     DashboardComponent,
23     LoginComponent,
24     RegisterComponent,
25     ContactUsComponent,
26     PageNotFoundComponent
27   ],
28   imports: [
29     BrowserModule,
30     AppRoutingModule,
31     ReactiveFormsModule
32   ],
33   providers: [],
34   bootstrap: [AppComponent]
35 })
36 export class AppModule { }
```

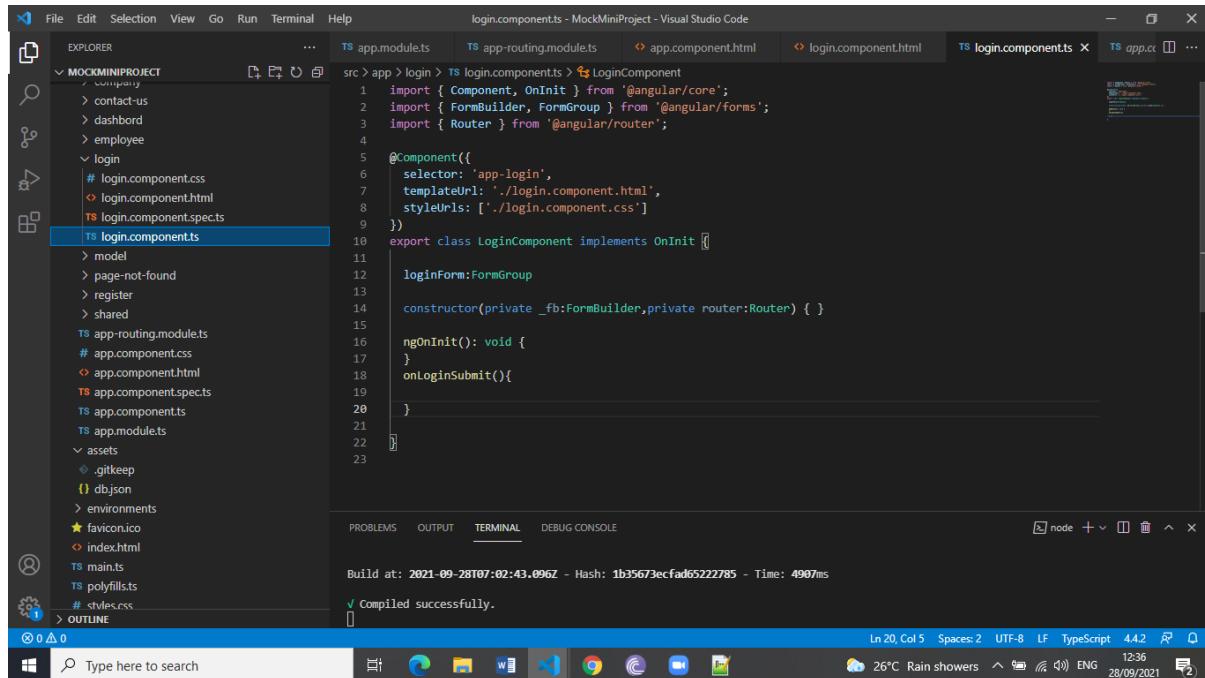
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Build at: 2021-09-28T07:02:43.096Z - Hash: 1b35673ecfad65222785 - Time: 4907ms

✓ Compiled successfully.

Ln 31, Col 24 (19 selected) Spaces: 2 UTF-8 LF TypeScript 4.4.2 12:33 26°C Rain showers ENG 28/09/2021

Step: create FormGroup , FormBuilder and router objects in LoginComponent



The screenshot shows the Visual Studio Code interface with the file `login.component.ts` open. The code imports `Component`, `OnInit`, `FormGroup`, `FormBuilder`, and `Router` from their respective modules. The terminal below shows the build output: "Compiled successfully."

```
src > app > login > TS login.component.ts - MockMiniProject - Visual Studio Code
1 import { Component, OnInit } from '@angular/core';
2 import { FormBuilder, FormGroup } from '@angular/forms';
3 import { Router } from '@angular/router';
4
5 @Component({
6   selector: 'app-login',
7   templateUrl: './login.component.html',
8   styleUrls: ['./login.component.css']
9 })
10 export class LoginComponent implements OnInit {
11
12   loginForm: FormGroup;
13
14   constructor(private _fb: FormBuilder, private router: Router) { }
15
16   ngOnInit(): void {
17   }
18   onLoginSubmit() {
19
20   }
21
22 }
```

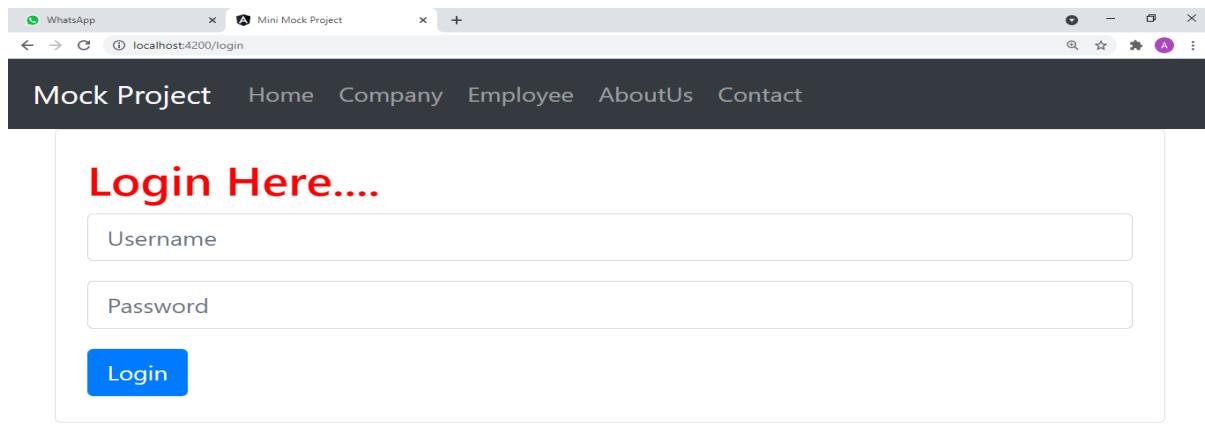
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Build at: 2021-09-28T07:02:43.096Z - Hash: 1b35673ecfad65222785 - Time: 4907ms

✓ Compiled successfully.

Ln 20, Col 5 Spaces: 2 UTF-8 LF TypeScript 4.4.2 12:36 26°C Rain showers ENG 28/09/2021

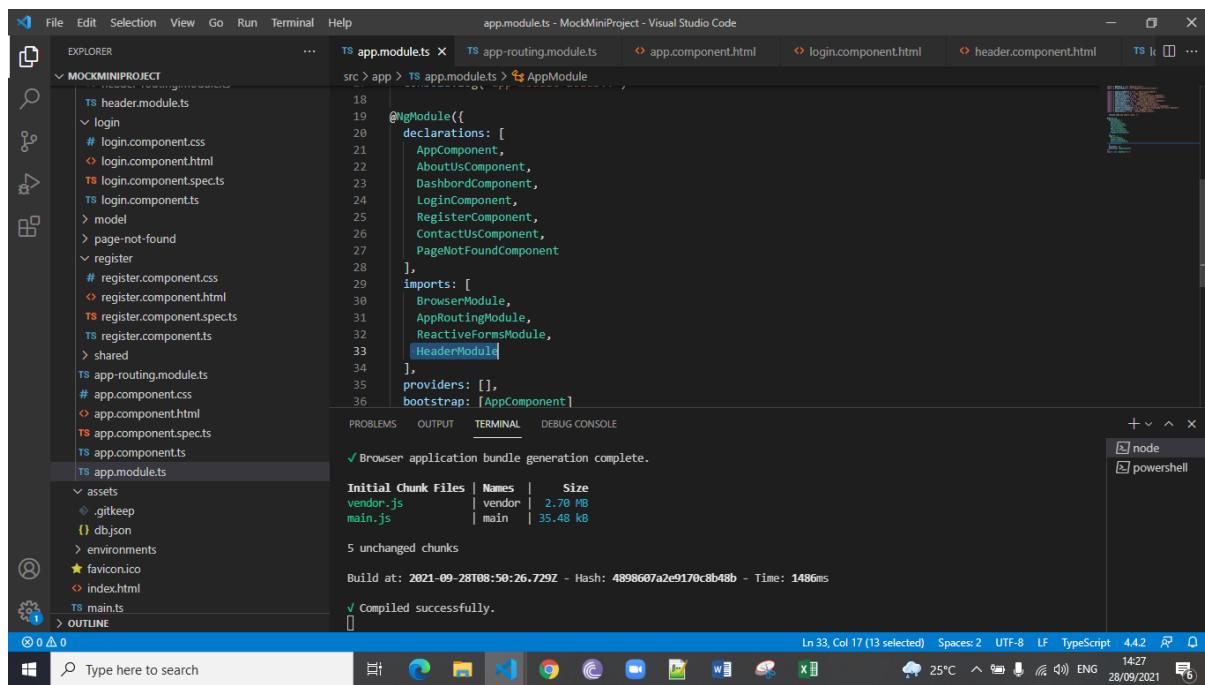
Output will be like this, but we want our first screen should be login then we have to change routings,



Step: create one Module, Routing-module and component for Headers

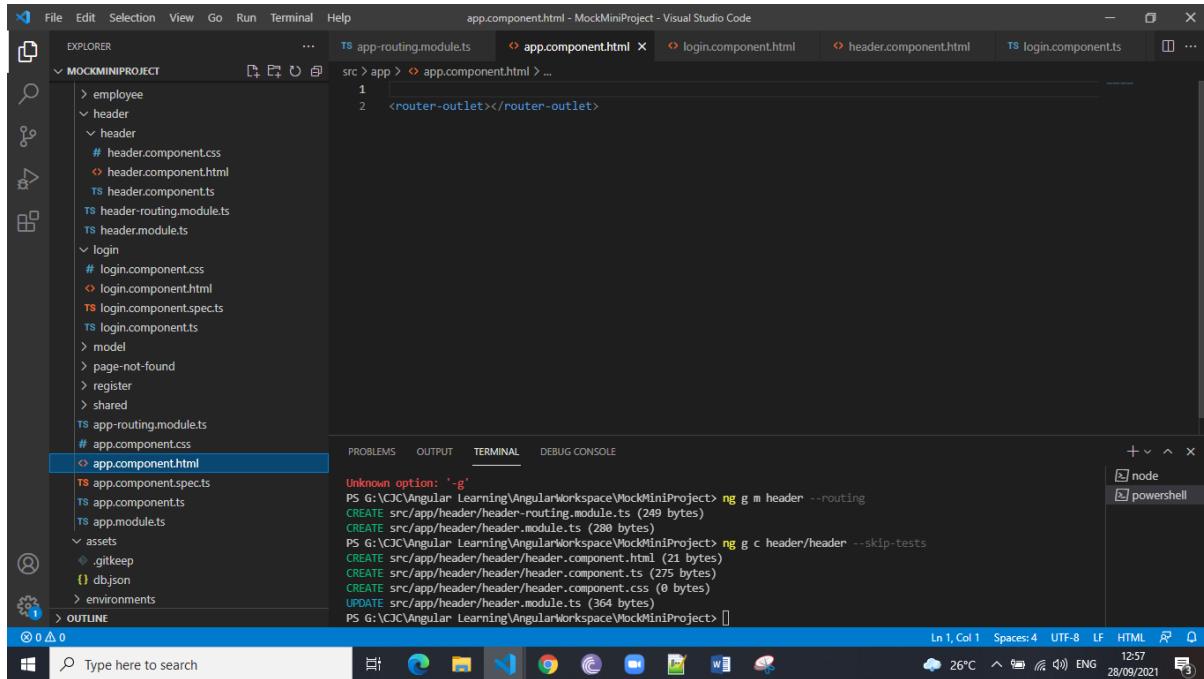
```
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g m header --routing
CREATE src/app/header/header-routing.module.ts (249 bytes)
CREATE src/app/header/header.module.ts (280 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> ng g c header/header --skip-tests
CREATE src/app/header/header/header.component.html (21 bytes)
CREATE src/app/header/header/header.component.ts (275 bytes)
CREATE src/app/header/header/header.component.css (0 bytes)
UPDATE src/app/header/header.module.ts (364 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject> []
```

Step: register it in app module



Step: CUT all code from app.component.html and app.routing.ts to header.component.ts and header.routing.ts

App.component.html



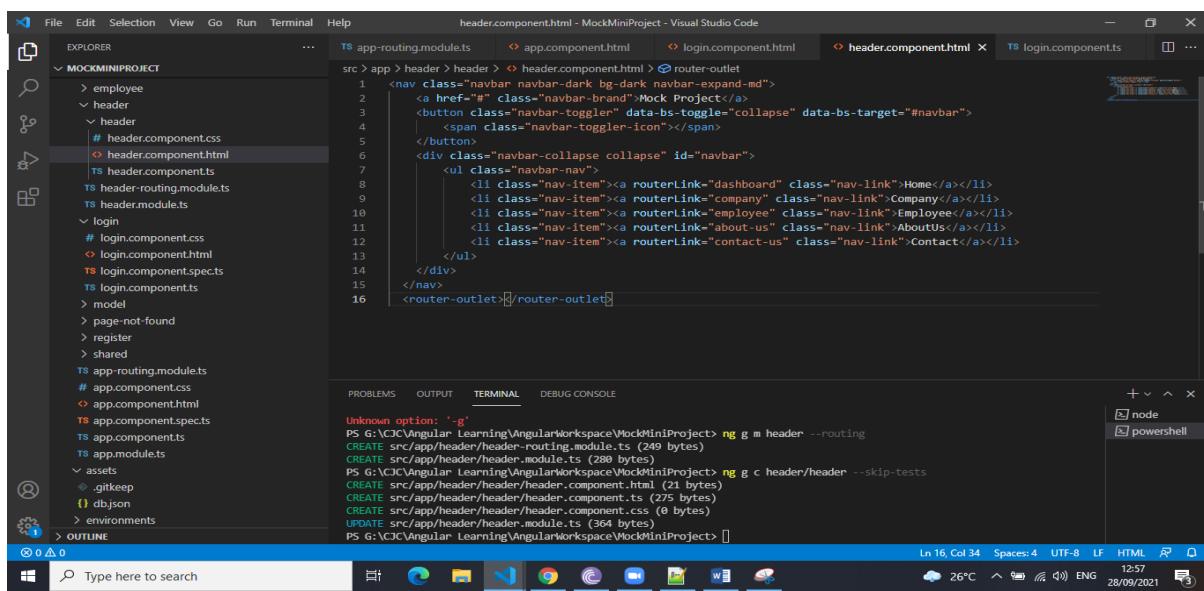
```
src > app > app.component.html > ...
1
2  <router-outlet></router-outlet>

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Unknown option: '-g'
PS G:\CJC\Angular\Learning\AngularWorkspace\MockMiniProject> ng g m header --routing
CREATE src/app/header/header-routing.module.ts (249 bytes)
CREATE src/app/header/header.module.ts (288 bytes)
CREATE src/app/header/header.component.html (21 bytes)
CREATE src/app/header/header/header.component.ts (275 bytes)
CREATE src/app/header/header/header.component.css (0 bytes)
UPDATE src/app/header/header/module.ts (364 bytes)
PS G:\CJC\Angular\Learning\AngularWorkspace\MockMiniProject> []

Ln 1, Col 1  Spaces: 4  UTF-8  LF  HTML  ⚡  12:57
28/09/2021
```

TO:

Header.component.html



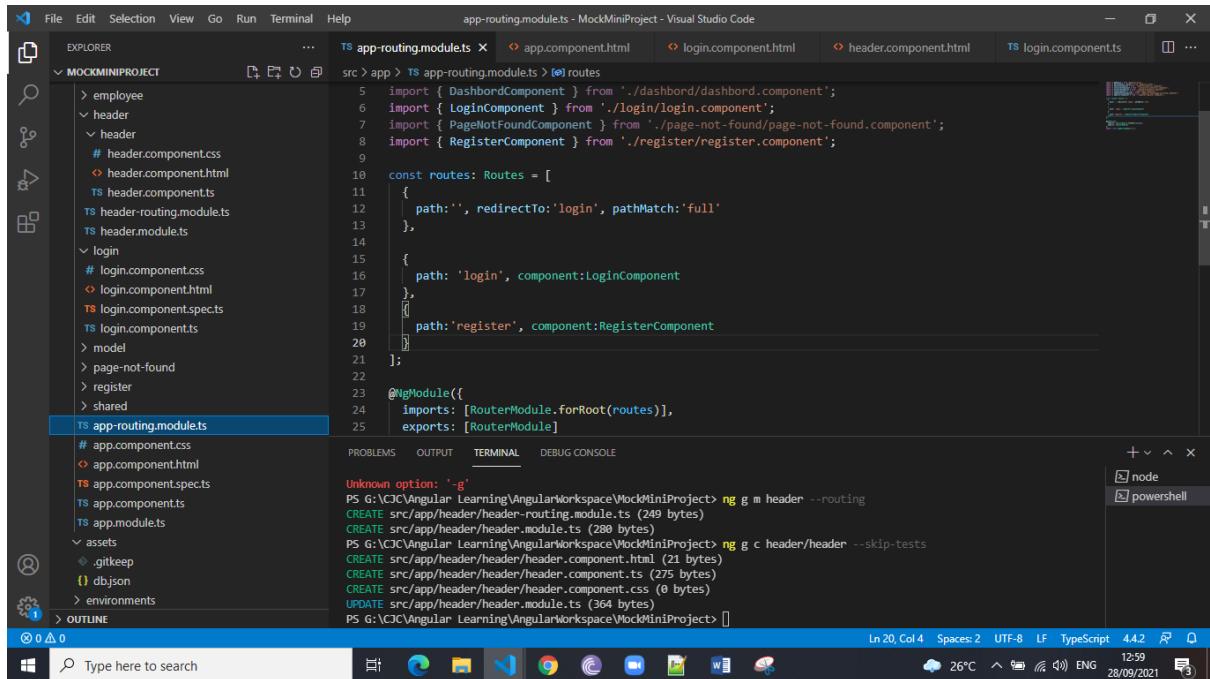
```
src > app > header > header.component.html > router-outlet
1  <nav class="navbar navbar-dark bg-dark navbar-expand-md">
2    <a href="#" class="navbar-brand">Mock Project</a>
3    <button class="navbar-toggler" data-bs-toggle="collapse" data-bs-target="#navbar">
4      <span class="navbar-toggler-icon"></span>
5    </button>
6    <div class="navbar-collapse collapse" id="navbar">
7      <ul class="nav navbar-nav">
8        <li class="nav-item"><a routerLink="dashboard" class="nav-link">Home</a></li>
9        <li class="nav-item"><a routerLink="company" class="nav-link">Company</a></li>
10       <li class="nav-item"><a routerLink="employee" class="nav-link">Employee</a></li>
11       <li class="nav-item"><a routerLink="about-us" class="nav-link">About Us</a></li>
12       <li class="nav-item"><a routerLink="contact-us" class="nav-link">Contact</a></li>
13     </ul>
14   </div>
15 </nav>
</router-outlet></router-outlet>

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Unknown option: '-g'
PS G:\CJC\Angular\Learning\AngularWorkspace\MockMiniProject> ng g m header --routing
CREATE src/app/header/header-routing.module.ts (249 bytes)
CREATE src/app/header/header.module.ts (288 bytes)
CREATE src/app/header/header.component.html (21 bytes)
CREATE src/app/header/header/header.component.ts (275 bytes)
CREATE src/app/header/header/header.component.css (0 bytes)
UPDATE src/app/header/header/module.ts (364 bytes)
PS G:\CJC\Angular\Learning\AngularWorkspace\MockMiniProject> []

Ln 16, Col 34  Spaces: 4  UTF-8  LF  HTML  ⚡  12:57
28/09/2021
```

Routing:

From:

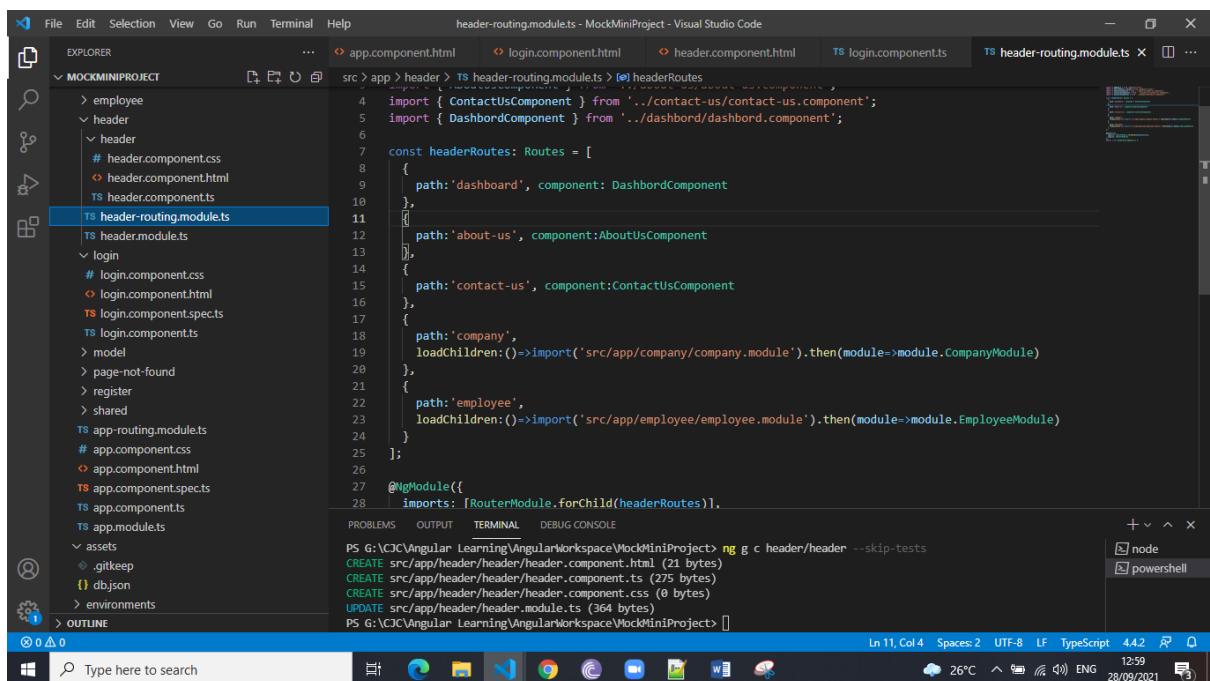


The screenshot shows the Visual Studio Code interface with the 'app-routing.module.ts' file open. The 'routes' constant is defined as follows:

```
const routes: Routes = [
  {
    path: '', redirectTo: 'login', pathMatch: 'full'
  },
  {
    path: 'login', component: LoginComponent
  },
  {
    path: 'register', component: RegisterComponent
  }
];
```

The 'routes' constant is annotated with the `@NgModule` decorator, imports the `RouterModule.forRoot(routes)`, and exports the `RouterModule`.

To:



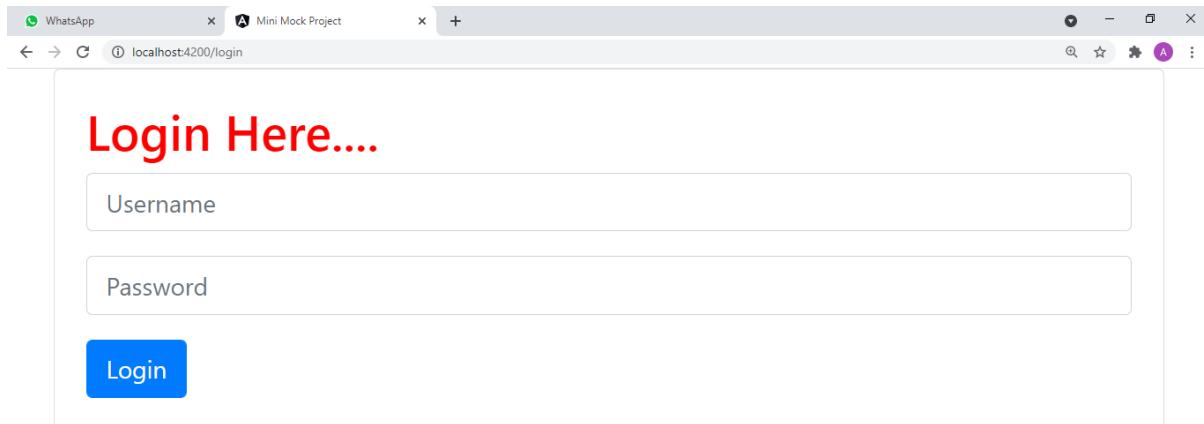
The screenshot shows the Visual Studio Code interface with the 'header-routing.module.ts' file open. The 'headerRoutes' constant is defined as follows:

```
const headerRoutes: Routes = [
  {
    path: 'dashboard', component: DashboardComponent
  },
  {
    path: 'about-us', component: AboutUsComponent
  },
  {
    path: 'contact-us', component: ContactUsComponent
  },
  {
    path: 'company',
    loadChildren: () => import('src/app/company/company.module').then(module => module.CompanyModule)
  },
  {
    path: 'employee',
    loadChildren: () => import('src/app/employee/employee.module').then(module => module.EmployeeModule)
  }
];
```

The 'headerRoutes' constant is annotated with the `@NgModule` decorator, imports the `RouterModule.forChild(headerRoutes)`, and exports the `RouterModule`.

Rename route constant name to **headerRoutes** as in above screenshot

Now, screen will look like this



We want to display all the content on login credentials,

Add login/register and login/header path in app.routing.ts

Add headerRouter as children from header.routing.ts file as mention below

Note: we need to make 'headerRoute' as export in header.routing.ts and we need to import that in app.routing.ts

Header.routing.ts

```
export const headerRoutes: Routes = [
  {
    path: 'dashboard', component: DashbordComponent
  },
  {
    path: 'about-us', component:AboutUsComponent
  }
]
```

App.routing.ts

```
import { DashbordComponent } from './dashbord/dashbord.component';
import { HeaderComponent } from './header/header/header.component';
import { LoginComponent } from './login/login.component';
import { PageNotFoundComponent } from './page-not-found/page-not-found.component';
import { RegisterComponent } from './register/register.component';
import { headerRoutes} from './header/header-routing.module'
const routes: Routes = [
  ...
```

```

File Edit Selection View Go Run Terminal Help app-routing.module.ts - MockMiniProject - Visual Studio Code
EXPLORER ... TS app-routing.module.ts TS header.module.ts app.component.html login.component.html header.component.html
MOCKMINIPROJECT src > app > TS app-routing.module.ts > routes > path
employee
header
# header.component.css
header.component.html
TS header.component.ts
TS header-routing.module.ts
TS header.module.ts
login
# login.component.css
login.component.html
TS login.component.specs.ts
TS login.component.ts
model
page-not-found
register
shared
TS app-routing.module.ts
# app.component.css
app.component.html
TS app.component.specs.ts
TS app.component.ts
TS app.module.ts
assets
.giteekeep
db.json
environments
OUTLINE
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
CREATE src/app/header/header/header.component.css (0 bytes)
UPDATE src/app/header/header/header.module.ts (364 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject>
Ln 23, Col 5 (68 selected) Spaces: 2 UTF-8 LF TypeScript 4.4.2 ⚡ 13:11 26°C 🌡 ENG 13:06 28/09/2021 📅

```

```

File Edit Selection View Go Run Terminal Help header-routing.module.ts - MockMiniProject - Visual Studio Code
EXPLORER ... app.component.html login.component.html header.component.html TS login.component.ts TS header-routing.module.ts
MOCKMINIPROJECT src > app > header > TS header-routing.module.ts > headerRoutes
employee
header
# header.component.css
header.component.html
TS header.component.ts
TS header-routing.module.ts
TS header.module.ts
login
# login.component.css
login.component.html
TS login.component.specs.ts
TS login.component.ts
model
page-not-found
register
shared
TS app-routing.module.ts
# app.component.css
app.component.html
TS app.component.specs.ts
TS app.component.ts
TS app.module.ts
assets
.giteekeep
db.json
environments
OUTLINE
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
CREATE src/app/header/header/header.component.css (0 bytes)
UPDATE src/app/header/header/header.module.ts (364 bytes)
PS G:\CJC\Angular Learning\AngularWorkspace\MockMiniProject>
Ln 7, Col 26 (12 selected) Spaces: 2 UTF-8 LF TypeScript 4.4.2 ⚡ 13:06 26°C 🌡 ENG 13:06 28/09/2021 📅

```

Header.component.html

```

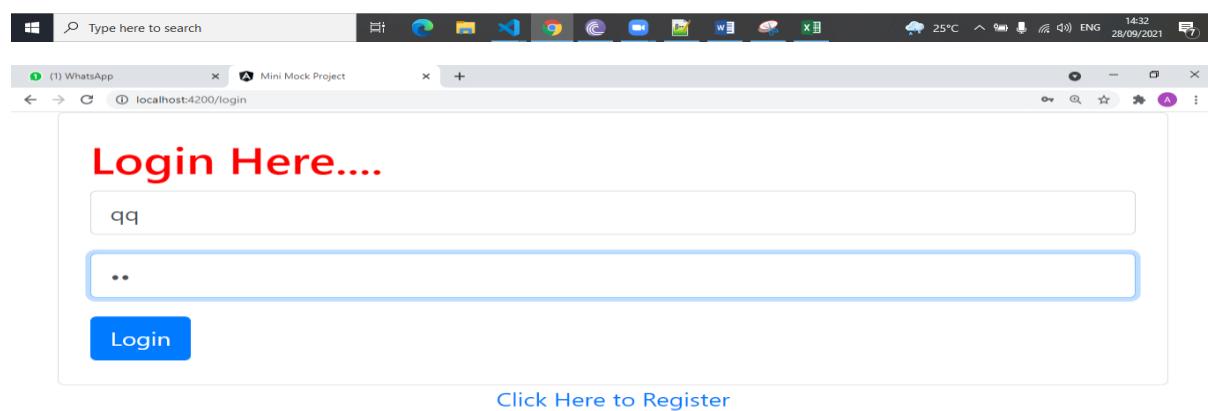
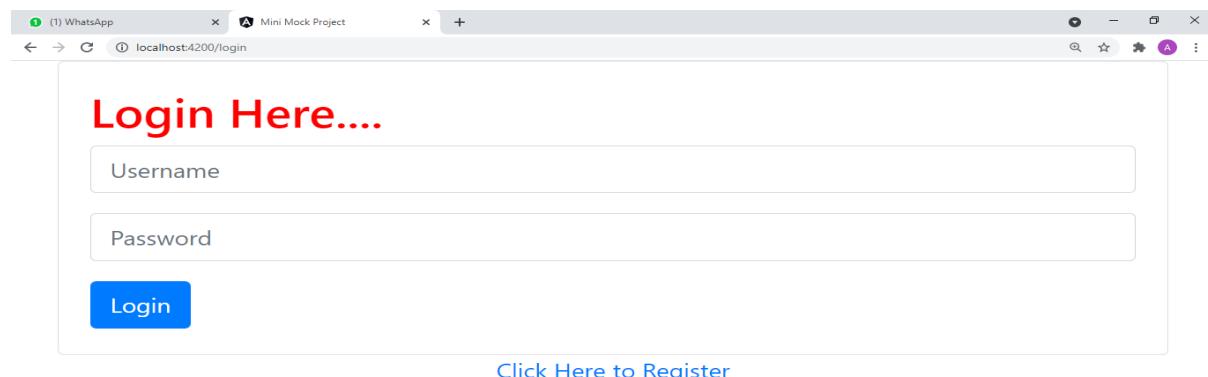
<nav class="navbar navbar-dark bg-dark navbar-expand-md">
  <a href="#" class="navbar-brand">Mock Project</a>
  <button class="navbar-toggler" data-bs-toggle="collapse" data-bs-target="#navbar">
    <span class="navbar-toggler-icon"></span>
  </button>
  <div class="navbar-collapse collapse" id="navbar">
    <ul class="navbar-nav">
      <li class="nav-item"><a routerLink="dashboard" class="nav-link">Home</a></li>
    
```

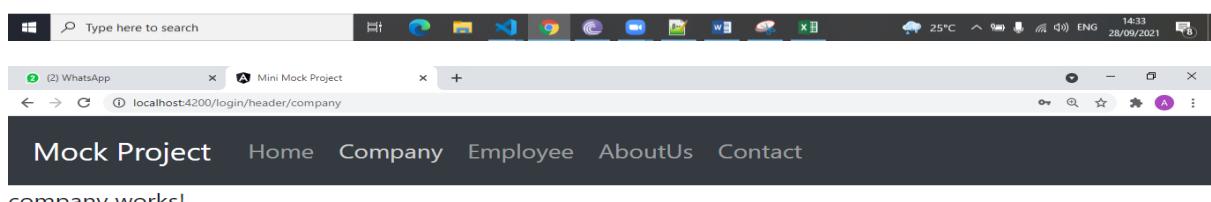
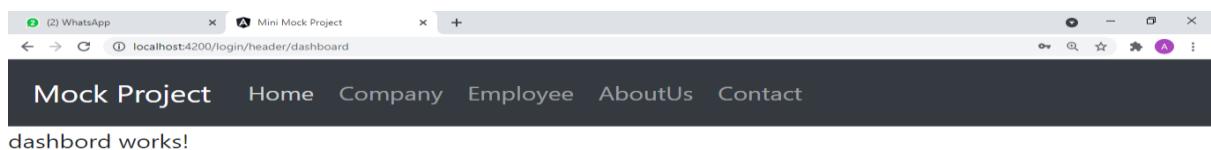
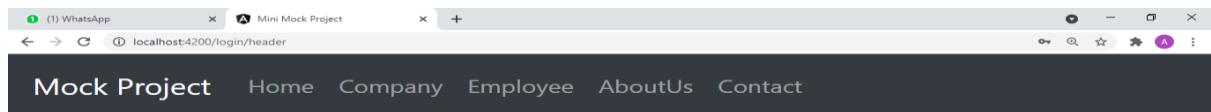
```

        <li class="nav-item"><a routerLink="company" class="nav-link">Company</a></li>
        <li class="nav-item"><a routerLink="employee" class="nav-link">Employee</a></li>
        <li class="nav-item"><a routerLink="about-us" class="nav-link">AboutUs</a></li>
        <li class="nav-item"><a routerLink="contact-us" class="nav-link">Contact</a></li>
    </ul>
</div>
</nav>
<router-outlet></router-outlet>

```

OUTPUT:





company works!

[Company List](#)





company works!

Company List

company-list works!



employee works!

Employee List

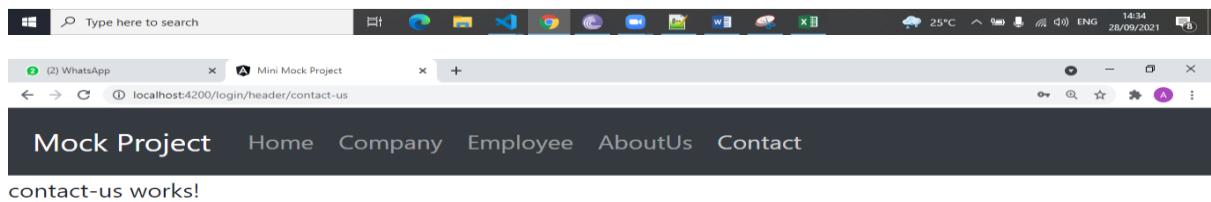
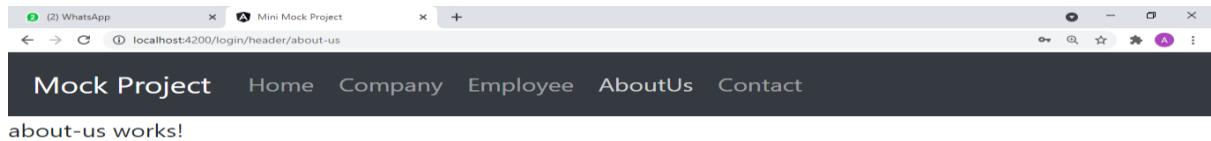


employee works!

Employee List

employee-list works!





Register:

Register.component.html

```
<form [formGroup]="registerForm" (ngSubmit)="onSubmit()" style="text-align: center;">
    <!--registration form start -->
    <h3 style="text-align: center; color: darkviolet;">! Register Here !</h3>
    <table class="table table-dark" style="text-align: center; width: 400px;">
        <tr>
            <td> Name</td>
            <td> <input type="text" formControlName="ename" placeholder="enter name"></td>
        </tr>
        <tr>
            <td> Email</td>
            <td> <input type="text" formControlName="email" placeholder="enter email"></td>
        </tr>
        <tr>
```

```

        <td> Mobile</td>
        <td> <input type="text" formControlName="mobile" placeholder="enter mobile no"></td>
    </tr>
    <tr >
        <td> Designation</td>
        <td> <input type="text" formControlName="designation" placeholder="enter Designation"></td>
    </tr>
    <tr >
        <td> Username</td>
        <td> <input type="text" formControlName="username" placeholder="enter username"></td>
    </tr>
    <tr>
        <td> password</td>
        <td><input type="password" formControlName="password" placeholder="enter password"></td>
    </tr>
</table>

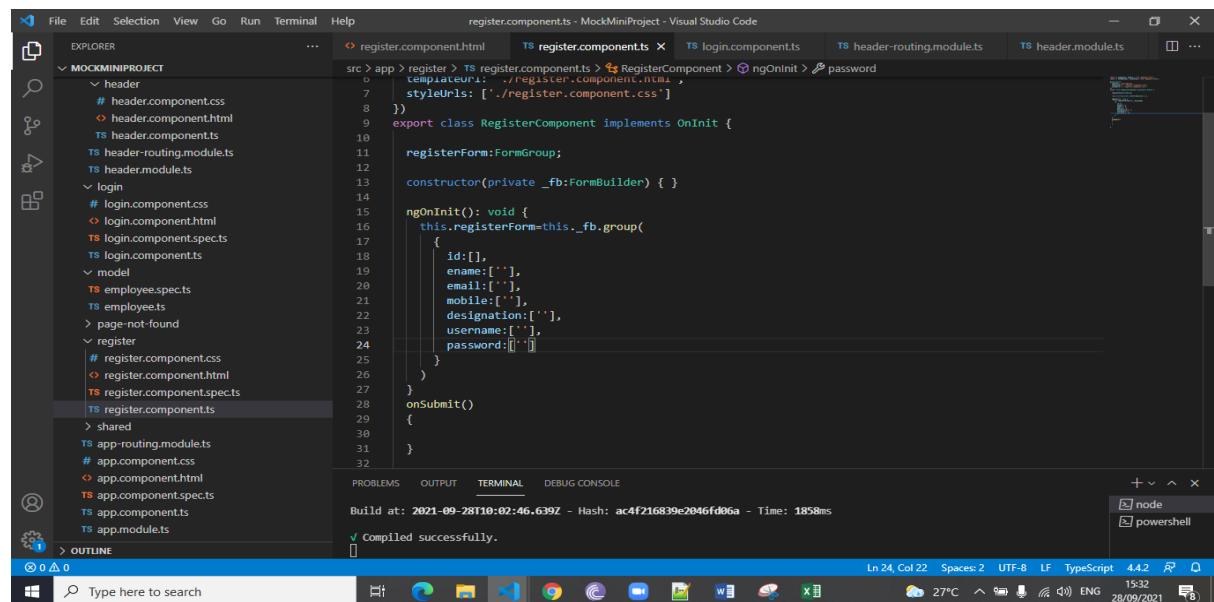
<button class="btn btn-primary" type="submit">Register</button>

<a class="btn btn-danger " style="text-align: right;" routerLink="/login"> back </a>

</form>

```

Register.comonent.ts



```

register.component.ts - MockMiniProject - Visual Studio Code
File Edit Selection View Go Run Terminal Help
register.component.html TS register.component.ts X TS login.component.ts TS header-routing.module.ts TS header.module.ts
src > app > register > TS register.component.ts > RegisterComponent > ngOnInit > password
    templateUrl: './register.component.html',
    styleUrls: ['./register.component.css']
}
export class RegisterComponent implements OnInit {
    registerForm:FormGroup;
    constructor(private _fb:FormBuilder) { }
    ngOnInit(): void {
        this.registerForm=this._fb.group(
            {
                id:[],
                name:[],
                email:[],
                mobile:[],
                designation:[],
                username:[],
                password:[]
            }
        )
    }
    onSubmit(){
    }
}
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Build at: 2021-09-28T10:02:46.639Z - Hash: ac4f216839e2046fd06a - Time: 1858ms
✓ Compiled successfully.
Ln 24, Col 22 Spaces: 2 UTF-8 LF TypeScript 4.4.2
node
powershell
OUTLINE
Type here to search

```

Output:

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "localhost:4200/login". The page content is a simple login form with the title "Login Here...." at the top. It contains two input fields: "Username" and "Password", and a blue "Login" button below them. A link "Click Here to Register" is located at the bottom right of the form area.

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "localhost:4200/login/register". The page content is a registration form with the title "! Register Here !". It contains six input fields: "Name" (placeholder: "enter name"), "Email" (placeholder: "enter email"), "Mobile" (placeholder: "enter mbole no"), "Designation" (placeholder: "enter Designation"), "Username" (placeholder: "enter username"), and "password" (placeholder: "enter password"). At the bottom, there are two buttons: a blue "Register" button and a blue "back" button.

Here, we are using back-slash with action 'login' on register page as below,

This is for going back word to login, if we don't use this backslash then it wont work.

```
<button class="btn btn-primary" type="submit">Register</button>

<a class="btn btn-danger" style="text-align: right;" routerLink="/login"> back </a>

</form>
```