

Marvellous Infosystems: Angular Assignment 10

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1. Create the application which contains two routes as Technologies and Books. In Technology route display names of technologies as Angular, Node JS, Android, Big data, Artificial Intelligence etc and Books route displays the names of books that we can refer.

Create Angular project with routing support. Add two components for each route. Add its entry in Routes array and check the execution by adding the name of route at the end of URL manually.

Answer:

App.component.html:

```
<h1>Angular Application</h1>
<nav>
  <ul>
    <li><a routerLink="/technologies">Technologies</a></li>
    <li><a routerLink="/books">Books</a></li>
  </ul>
</nav>
<router-outlet></router-outlet>
```

Technologies.component.html:

```
<h2>Technologies</h2>
<ul>
  <li>Angular</li>
  <li>Node JS</li>
  <li>Android</li>
  <li>Big data</li>
  <li>Artificial Intelligence</li>
</ul>
```

Books.component.html:

```
<h2>Books</h2>
<ul>
  <li>Angular Development with TypeScript</li>
  <li>Node.js in Action</li>
  <li>Android Programming: The Big Nerd Ranch Guide</li>
  <li>Big Data: Principles and best practices of scalable realtime data systems</li>
  <li>Artificial Intelligence with Python: A Comprehensive Guide to Building Intelligent Apps for Python Beginners and Developers</li>
</ul>
```

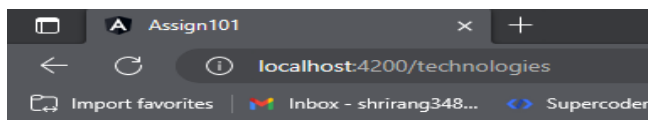

App-routing.module.ts:

```
import { NgModule } from '@angular/core';
import { Routes, RouterModule } from '@angular/router';
import { TechnologiesComponent } from '../technologies/technologies.component';
import { BooksComponent } from '../books/books.component';

const routes: Routes = [
  { path: 'technologies', component: TechnologiesComponent },
  { path: 'books', component: BooksComponent }
];

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

Output:

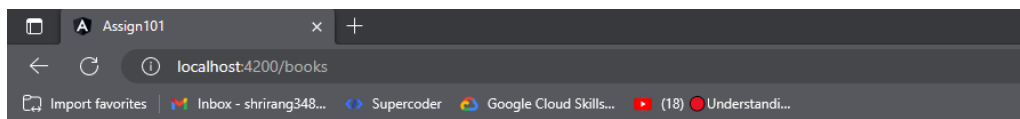


Angular Application

- [Technologies](#)
- [Books](#)

Technologies

- Angular
- Node JS
- Android
- Big data
- Artificial Intelligence



Angular Application

- [Technologies](#)
- [Books](#)

Books

- Angular Development with TypeScript
- Node.js in Action
- Android Programming: The Big Nerd Ranch Guide
- Big Data: Principles and best practices of scalable realtime data systems
- Artificial Intelligence with Python: A Comprehensive Guide to Building Intelligent Apps for Python Beginners and Developers

2. Create the similar application (Question 1) as above and add navigation tabs to navigate between that two routes.

Answer:

App.component.html:

```
<ul>
  <li routerLinkActive="active"
[routerLink]="['/technologies']">Technologies</li>
  <li routerLinkActive="active" [routerLink]="['/books']">Books</li>
</ul>
<router-outlet></router-outlet>
```

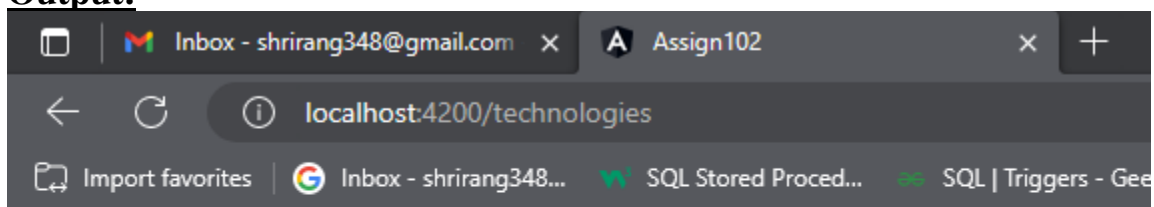
App-routing.module.ts:

```
import { NgModule } from '@angular/core';
import { Routes, RouterModule } from '@angular/router';
import { TechnologiesComponent } from '../technologies/technologies.component';
import { BooksComponent } from '../books/books.component';

const routes: Routes = [
  { path: 'technologies', component: TechnologiesComponent },
  { path: 'books', component: BooksComponent },
  { path: '', redirectTo: '/technologies', pathMatch: 'full' }
];

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

Output:



- Technologies
- Books

technologies works!

3. Create the similar application (Question 2) as above and add navigation tabs to navigate between that two routes. Add one another route which displays "Wrong choice" when user gives wrong route name. Display Technologies route as a default route which gets automatically displayed when we open the application.

Answer:

App.component.html:

```
<nav>
  <a routerLink="/technologies" routerLinkActive="active">Technologies</a>
  <a routerLink="/books" routerLinkActive="active">Books</a>
</nav>
<router-outlet></router-outlet>
```

App-routing.module.ts:

```
import { NgModule } from '@angular/core';
import { Routes, RouterModule } from '@angular/router';
import { TechnologiesComponent } from '../technologies/technologies.component';
import { BooksComponent } from '../books/books.component';
import { NotFoundComponent } from '../not-found/not-found.component';

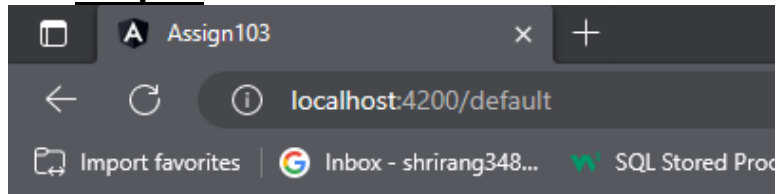
const routes: Routes = [
  { path: 'technologies', component: TechnologiesComponent },
  { path: 'books', component: BooksComponent },
  { path: '', redirectTo: 'technologies', pathMatch: 'full' },
  { path: '**', component: NotFoundComponent }
];

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

not-found.component.html:

```
<h1>Wrong choice</h1>
<p>The URL you entered is not valid.</p>
```

Output:



[TechnologiesBooks](#)

Wrong choice

The URL you entered is not valid.

