

Web Development : Angular Assignment – 9

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.

```
src > app > technology > <> technology.component.html > h4
```

```
1 <h4>New Technologies :<br>
2   Angular <br>
3   Node JS <br>
4   Android <br>
5   Big data <br>
6   Artificial Intelligence <br>
7 </h4>
8
```

```
src > app > books > <> books.component.html > h4
```

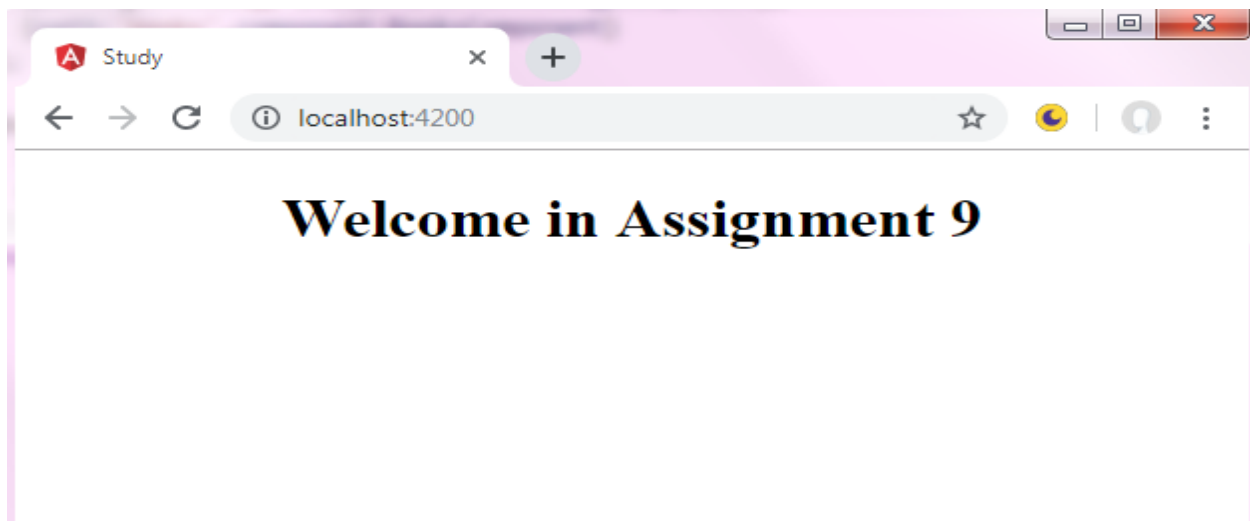
```
1 <h4>Books for Reference :<br>
2   AngularJS Web Application Development Cookbook - By Matt Frisbie.<br>
3   Practical Node.js by Azat Mardan.<br>
4   Node.js Design Pattern Second Edition <br>
5   Head First Android Development<br>
6   Android Cookbook <br>
7   Too Big to Ignore: The Business Case for Big Data, by P. Simon <br>
8   Artificial Intelligence: A Modern Approach” by Stuart Russell and Peter Norvig <br>
9 </h4>
10
```

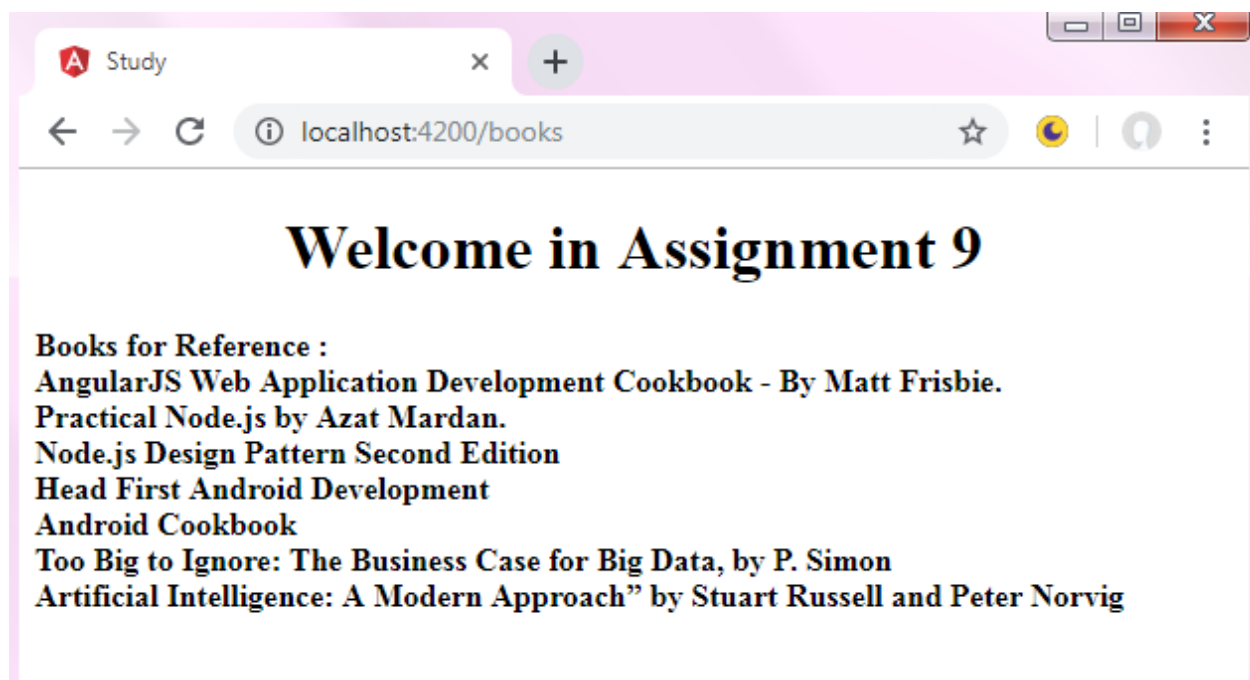
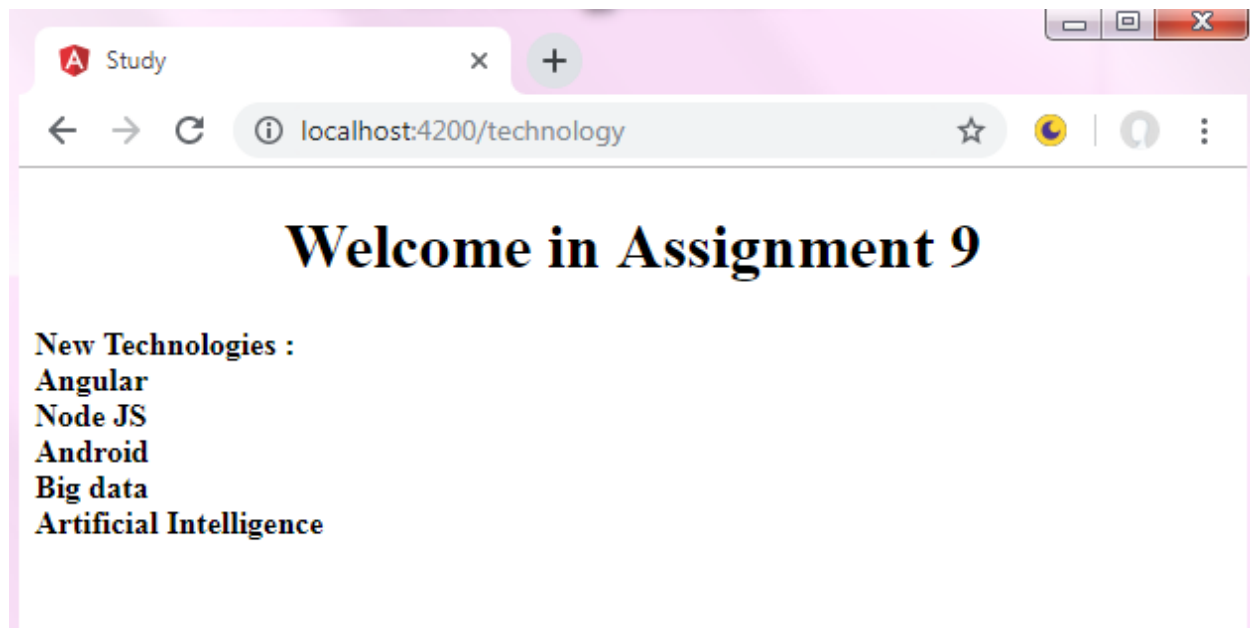
```
src > app > <> app.component.html > a
```

```
1 <!--The content below is only a placeholder and can be replaced.-->
2 <div style="text-align:center">
3   <h1>
4     Welcome in {{ title }}
5   </h1>
6 </div>
7 <a routerLink='/technology'></a>
8 <a routerLink='/books'></a>
9 <router-outlet></router-outlet>
10
```

src ▸ app ▸ TS app-routing.module.ts ▸ routes

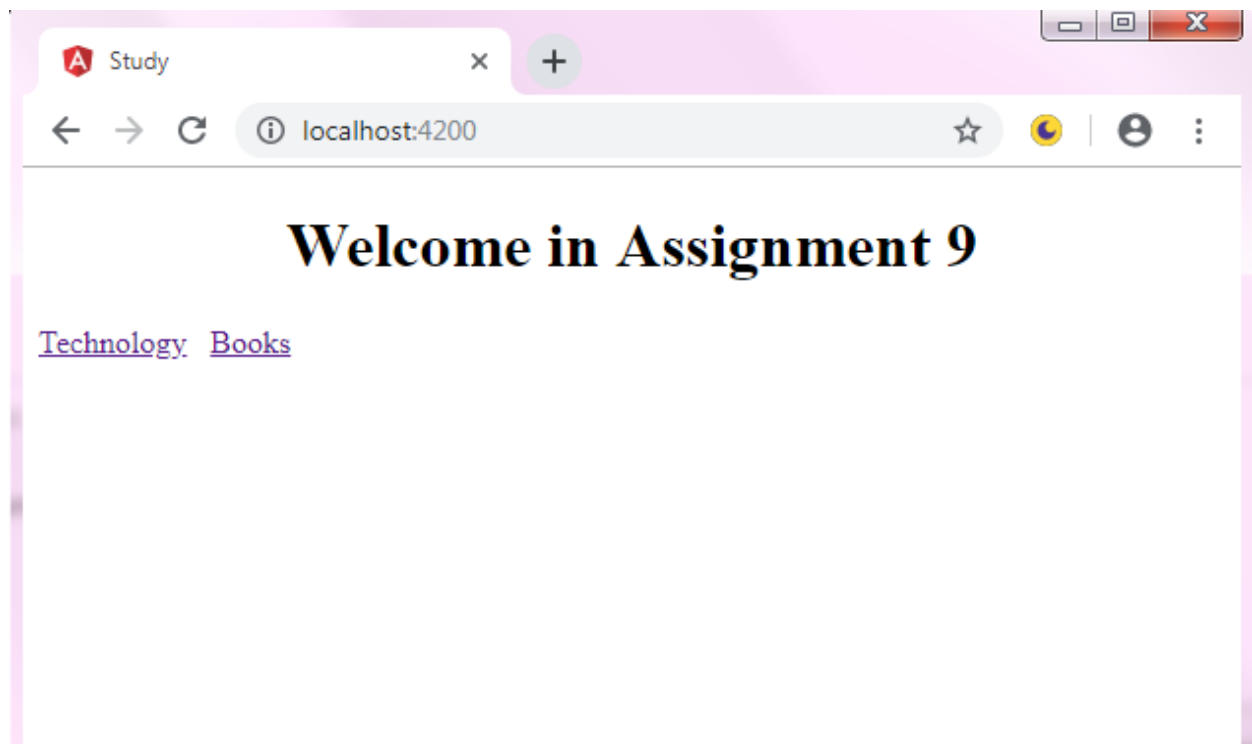
```
1 import { NgModule } from '@angular/core';
2 import { Routes, RouterModule } from '@angular/router';
3 import { TechnologyComponent } from '../technology/technology.component';
4 import { BooksComponent } from '../books/books.component';
5
6
7 const routes: Routes = [
8   {path: 'technology', component: TechnologyComponent},
9   {path: 'books', component: BooksComponent}
10 ];
11
12 @NgModule({
13   imports: [RouterModule.forRoot(routes)],
14   exports: [RouterModule]
15 })
16 export class AppRoutingModule { }
17
```

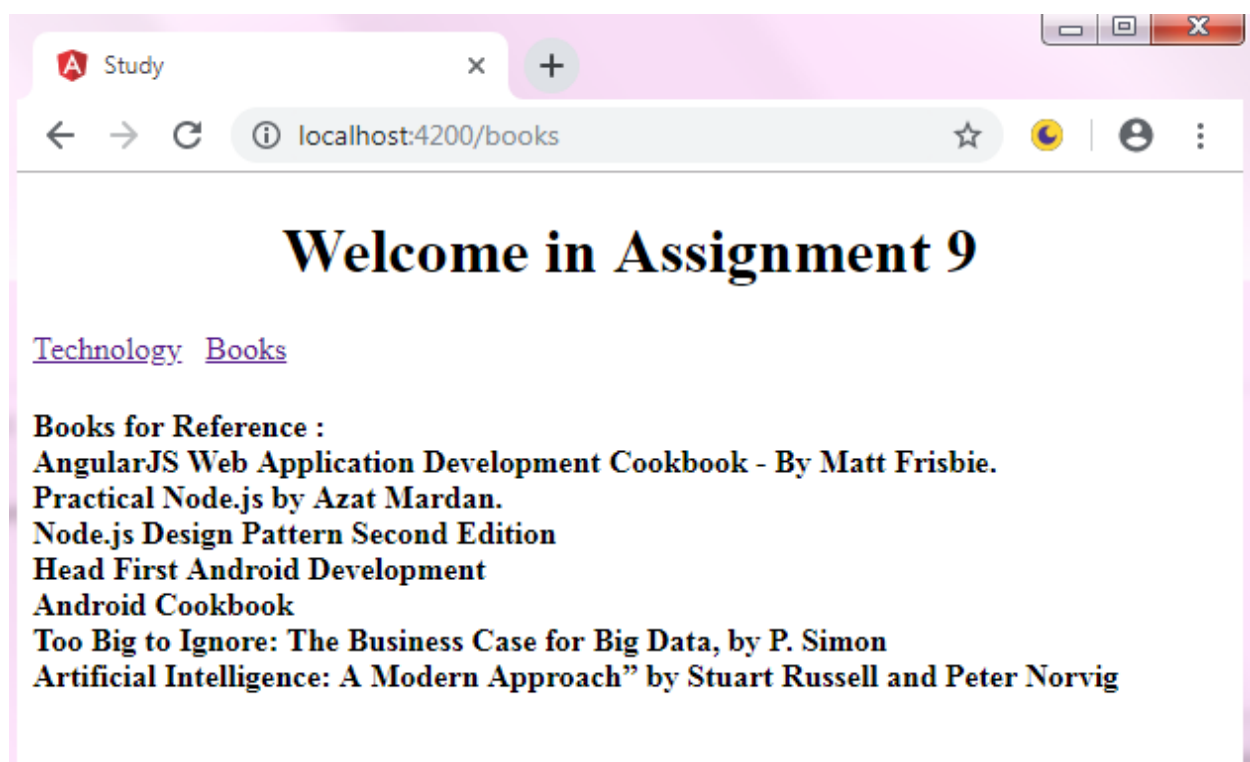
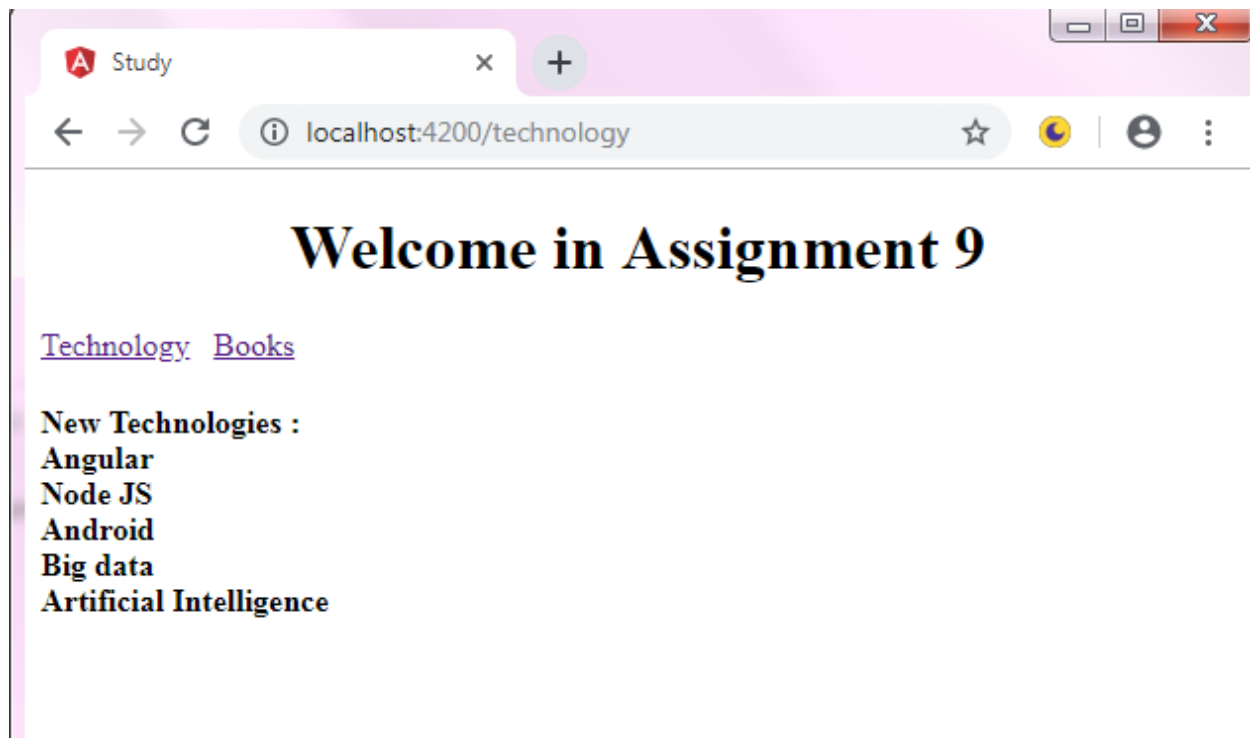




2. Create the similar application (Question 1) as above and add navigation tabs to navigate between that two routes.



```
src > app > <> app.component.html > ...  
1   <!--The content below is only a placeholder and can be replaced.-->  
2   <div style="text-align:center">  
3       <h1>  
4           Welcome in {{ title }}  
5       </h1>  
6   </div>  
7   <nav><a routerLink='/technology'>Technology</a>&nbsp;&nbsp;&nbsp;&nbsp;   
8       <a routerLink='/books'>Books</a>  
9   </nav>  
10  <router-outlet></router-outlet>  
11
```





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.

```
src > app > <> app.component.html > ...  
1    <!--The content below is only a placeholder and can be replaced.-->  
2    <div style="text-align:center">  
3      |   <h1>  
4      |     Welcome in {{ title }}  
5      |   </h1>  
6    </div>  
7    <nav><a routerLink='/technology'>Technology</a>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
8    |   <a routerLink='/books'>Books</a>  
9    </nav>  
10   <router-outlet></router-outlet>  
11
```

```
src ▸ app ▸ invalid ▸  invalid.component.html ▸  h1
```

```
1  <h1>WRONG CHOICE</h1>
2
```

```
src > app > TS app-routing.module.ts > routes
1  import { NgModule } from '@angular/core';
2  import { Routes, RouterModule } from '@angular/router';
3  import { TechnologyComponent } from '../technology/technology.component';
4  import { BooksComponent } from '../books/books.component';
5  import { InvalidComponent } from '../invalid/invalid.component';
6
7  const routes: Routes = [
8    {path: 'technology', component: TechnologyComponent},
9    {path: 'books', component: BooksComponent},
10   {path: '', component: TechnologyComponent},
11   {path: '**', component: InvalidComponent}
12 ];
13
14 @NgModule({
15   imports: [RouterModule.forRoot(routes)],
16   exports: [RouterModule]
17 })
18 export class AppRoutingModule { }
19
```

src > app > technology > <> technology.component.html > h4

```
1 <h4>New Technologies :<br>
2   Angular <br>
3   Node JS <br>
4   Android <br>
5   Big data <br>
6   Artificial Intelligence <br>
7 </h4>
8
```

src > app > books > <> books.component.html > h4

```
1 <h4>Books for Reference :<br>
2   AngularJS Web Application Development Cookbook - By Matt Frisbie.<br>
3   Practical Node.js by Azat Mardan.<br>
4   Node.js Design Pattern Second Edition <br>
5   Head First Android Development<br>
6   Android Cookbook <br>
7   Too Big to Ignore: The Business Case for Big Data, by P. Simon <br>
8   Artificial Intelligence: A Modern Approach” by Stuart Russell and Peter Norvig <br>
9 </h4>
10
```

