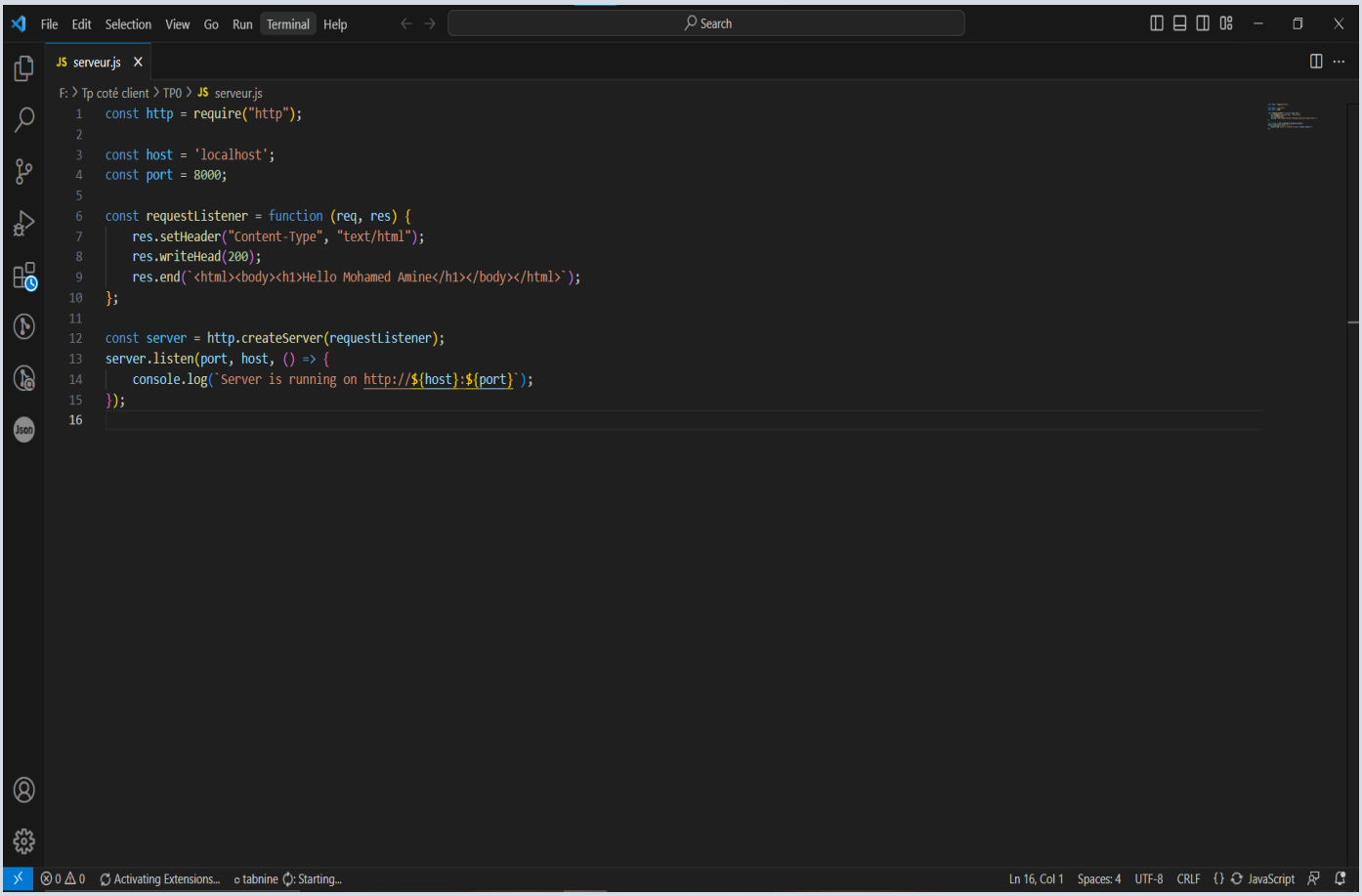
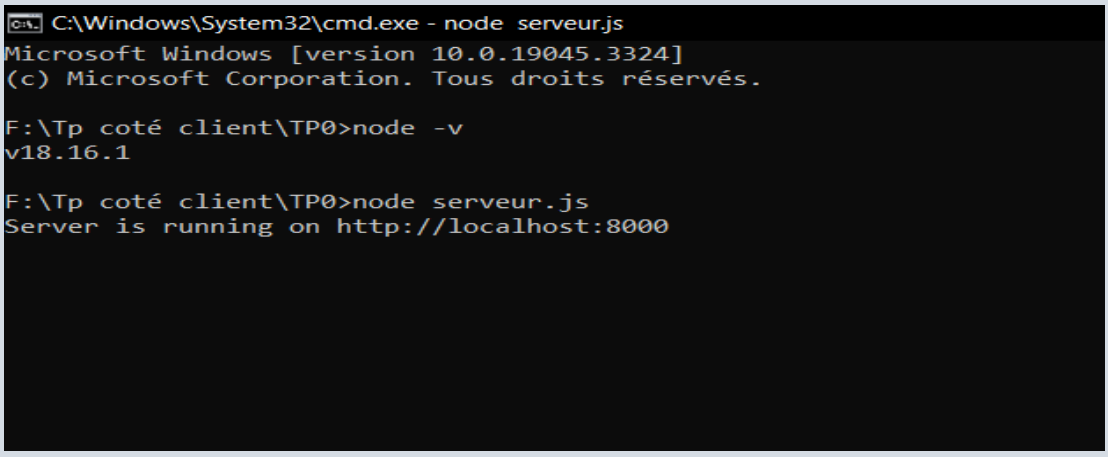
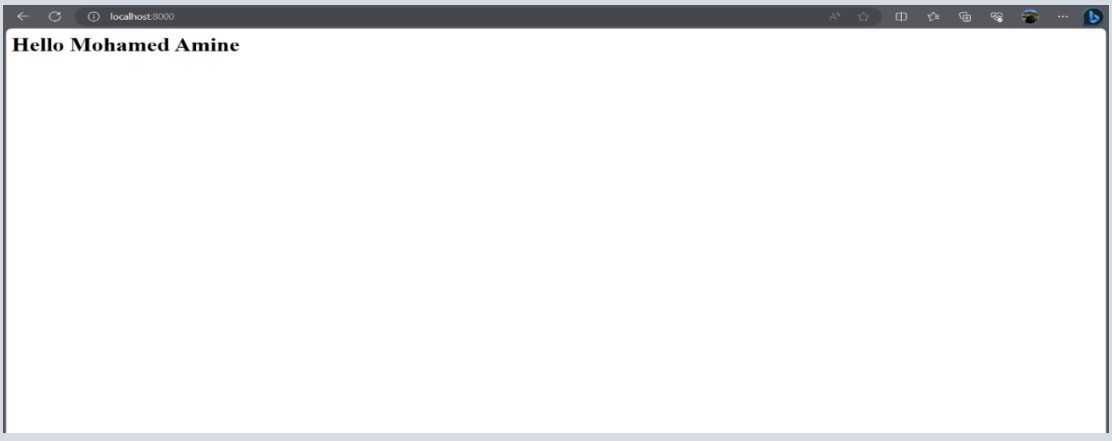
TP0



```
const http = require("http");

const host = 'localhost';
const port = 8000;

const requestListener = function (req, res) {
    res.setHeader("Content-Type", "text/html");
    res.writeHead(200);
    res.end(`<html><body><h1>Hello Mohamed Amine</h1></body></html>`);
};

const server = http.createServer(requestListener);
server.listen(port, host, () => {
    console.log(`Server is running on http://${host}:${port}`);
});
```



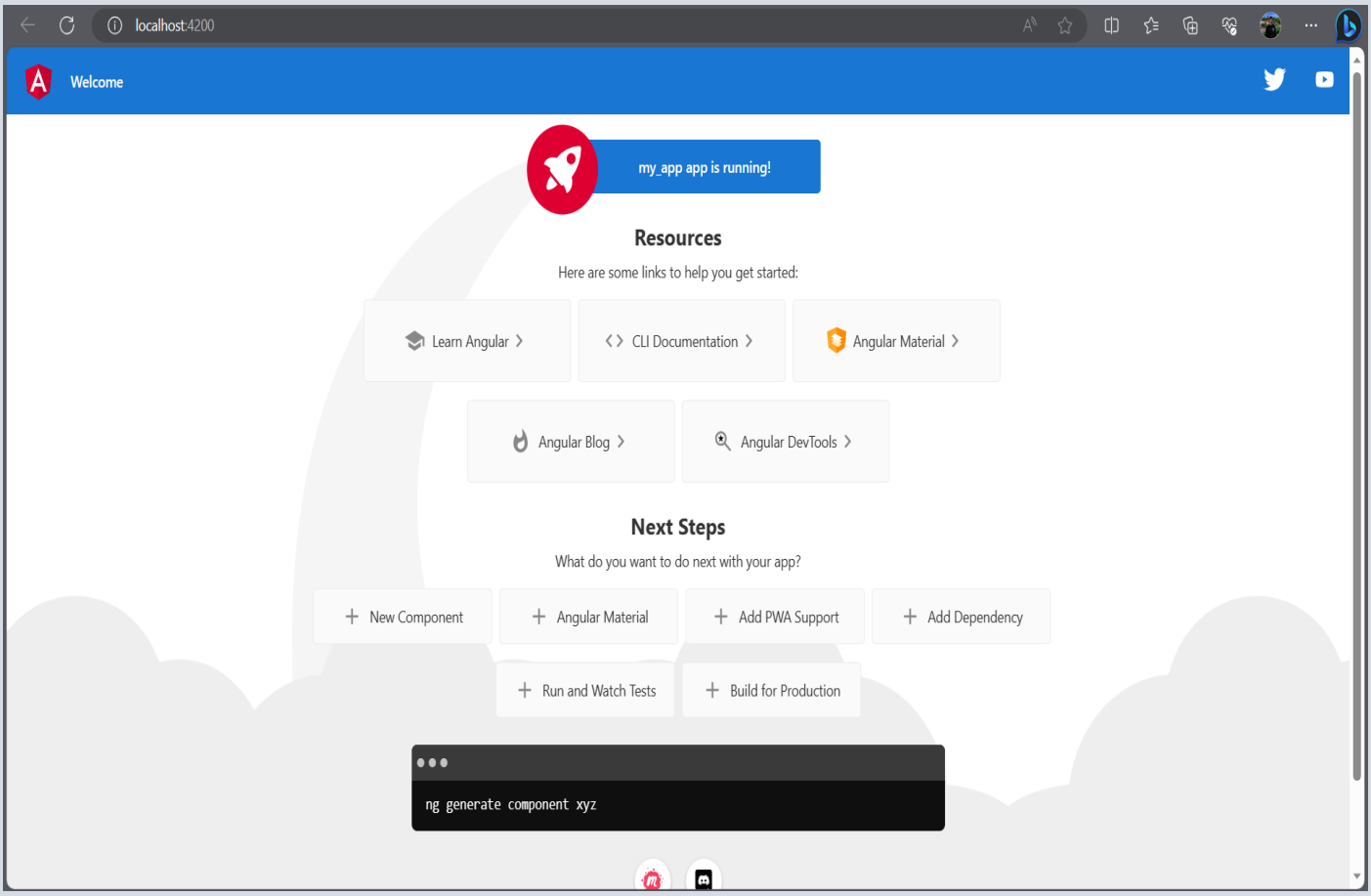
```
C:\Windows\System32\cmd.exe - node serveur.js
Microsoft Windows [version 10.0.19045.3324]
(c) Microsoft Corporation. Tous droits réservés.

F:\Tp coté client\TP0>node -v
v18.16.1

F:\Tp coté client\TP0>node serveur.js
Server is running on http://localhost:8000
```



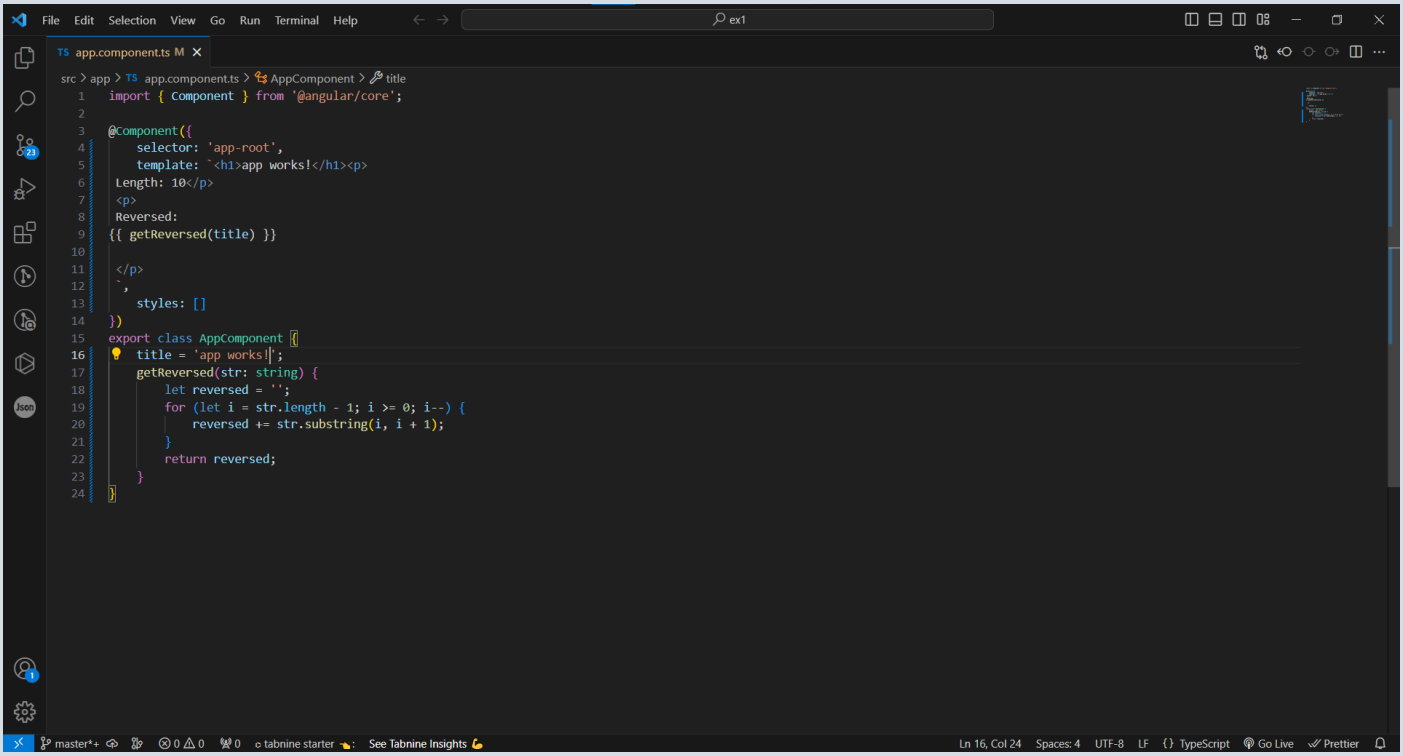
```
F:\Tp coté client\TP0>npm install -g @angular/cli

added 245 packages in 41s

37 packages are looking for funding
  run `npm fund` for details
npm notice
npm notice New major version of npm available! 9.8.1 -> 10.1.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.1.0
npm notice Run npm install -g npm@10.1.0 to update!
npm notice

F:\Tp coté client\TP0>ng new My_app
? Would you like to share pseudonymous usage data about this project with the Angular Team
at Google under Google's Privacy Policy at https://policies.google.com/privacy. For more
details and how to change this setting, see https://angular.io/analytics. Yes

Thank you for sharing pseudonymous usage data. Should you change your mind, the following
command will disable this feature entirely:

    ng analytics disable --global

Global setting: enabled
Local setting: No local workspace configuration file.
Effective status: enabled
? Would you like to add Angular routing? Yes
? Which stylesheet format would you like to use? SCSS   [ https://sass-lang.com/documentation/syntax#scss                ]
CREATE My_app/angular.json (2874 bytes)
CREATE My_app/package.json (1037 bytes)
CREATE My_app/README.md (1059 bytes)
CREATE My_app/tsconfig.json (901 bytes)
CREATE My_app/.editorconfig (274 bytes)
CREATE My_app/.gitignore (548 bytes)
CREATE My_app/tsconfig.app.json (263 bytes)
CREATE My_app/tsconfig.spec.json (273 bytes)
CREATE My_app/.vscode/extensions.json (130 bytes)
CREATE My_app/.vscode/launch.json (470 bytes)
CREATE My_app/.vscode/tasks.json (938 bytes)
CREATE My_app/src/main.ts (214 bytes)
CREATE My_app/src/favicon.ico (948 bytes)
CREATE My_app/src/index.html (291 bytes)
```

```
C:\Windows\system32\cmd.exe
? Would you like to add Angular routing? Yes
? Which stylesheet format would you like to use? SCSS   [ https://sass-lang.com/documentation/syntax#scss              ]
CREATE my_app/angular.json (2874 bytes)
CREATE my_app/package.json (1037 bytes)
CREATE my_app/README.md (1059 bytes)
CREATE my_app/tsconfig.json (901 bytes)
CREATE my_app/.editorconfig (274 bytes)
CREATE my_app/.gitignore (548 bytes)
CREATE my_app/tsconfig.app.json (263 bytes)
CREATE my_app/tsconfig.spec.json (273 bytes)
CREATE my_app/.vscode/extensions.json (130 bytes)
CREATE my_app/.vscode/launch.json (470 bytes)
CREATE my_app/.vscode/tasks.json (938 bytes)
CREATE my_app/src/main.ts (214 bytes)
CREATE my_app/src/favicon.ico (948 bytes)
CREATE my_app/src/index.html (291 bytes)
CREATE my_app/src/styles.scss (80 bytes)
CREATE my_app/src/app/app-routing.module.ts (245 bytes)
CREATE my_app/src/app/app.module.ts (393 bytes)
CREATE my_app/src/app/app.component.html (23115 bytes)
CREATE my_app/src/app/app.component.spec.ts (991 bytes)
CREATE my_app/src/app/app.component.ts (211 bytes)
CREATE my_app/src/app/app.component.scss (0 bytes)
CREATE my_app/src/assets/.gitkeep (0 bytes)
√ Packages installed successfully.
warning: in the working copy of '.editorconfig', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of '.vscode/extensions.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of '.vscode/launch.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of '.vscode/tasks.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'angular.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'package-lock.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'package.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/app/app-routing.module.ts', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/app/app.component.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/app/app.component.spec.ts', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/app/app.component.ts', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/app/app.module.ts', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/index.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/main.ts', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/styles.scss', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'tsconfig.app.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'tsconfig.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'tsconfig.spec.json', LF will be replaced by CRLF the next time Git touches it
Author identity unknown

*** Please tell me who you are.

Run
```

```
Windows PowerShell
warning: in the working copy of 'src/styles.scss', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'tsconfig.app.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'tsconfig.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'tsconfig.spec.json', LF will be replaced by CRLF the next time Git touches it
Author identity unknown

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'lenovo@DESKTOP-2F74B0A.(none)')

F:\Tp coté client\TP0>cd my_app

F:\Tp coté client\TP0\my_app>ng serve -o
? Would you like to share pseudonymous usage data about this project with the Angular Team
at Google under Google's Privacy Policy at https://policies.google.com/privacy. For more
details and how to change this setting, see https://angular.io/analytics. Yes

Thank you for sharing pseudonymous usage data. Should you change your mind, the following
command will disable this feature entirely:

    ng analytics disable

Global setting: enabled
Local setting: enabled
Effective status: enabled
√ Browser application bundle generation complete.

Initial Chunk Files   | Names         |  Raw Size
vendor.js             | vendor        |   2.34 MB |
polyfills.js          | polyfills     | 333.17 kB |
styles.css, styles.js | styles        | 230.90 kB |
main.js               | main          |  48.10 kB |
runtime.js            | runtime       |   6.51 kB |

                      | Initial Total |   2.95 MB

Build at: 2023-09-18T18:56:48.299Z - Hash: 994ba72448b96da5 - Time: 31765ms

** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **


√ Compiled successfully.
```

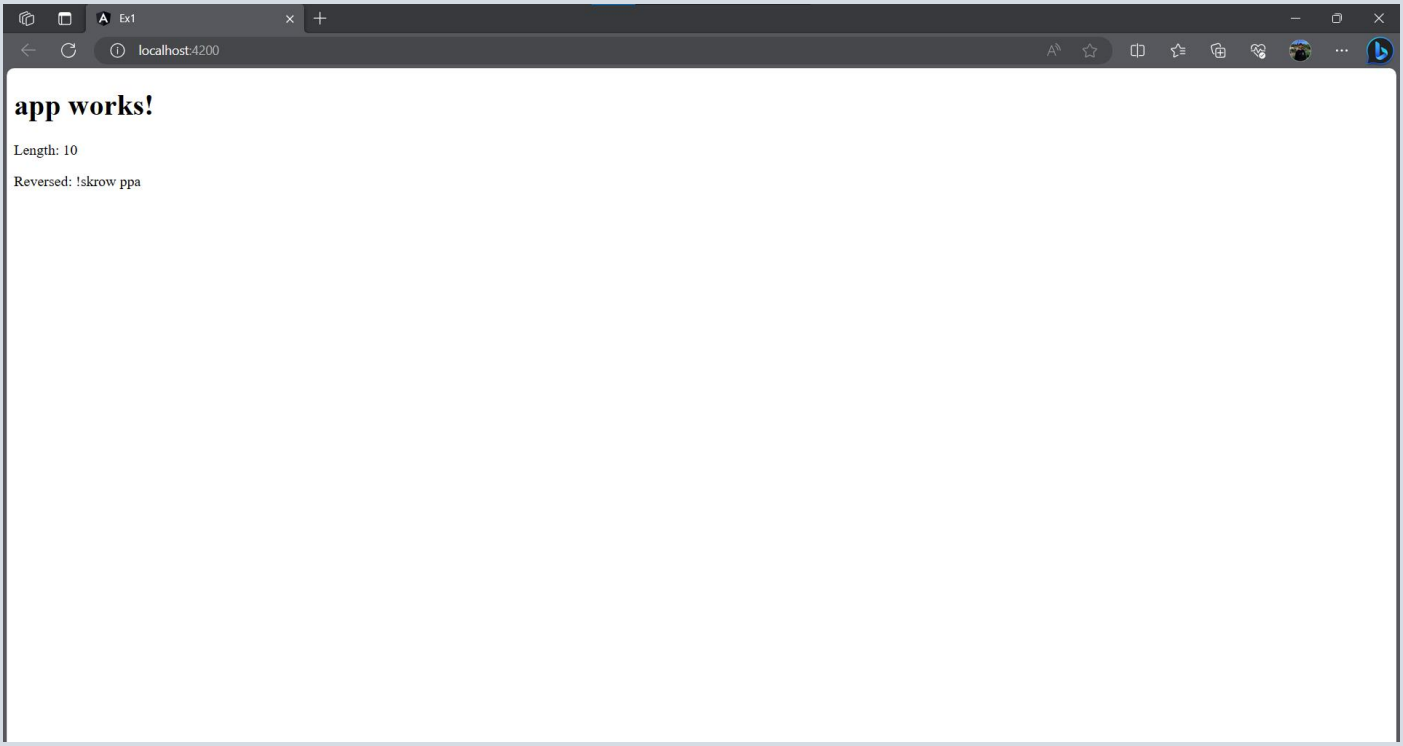


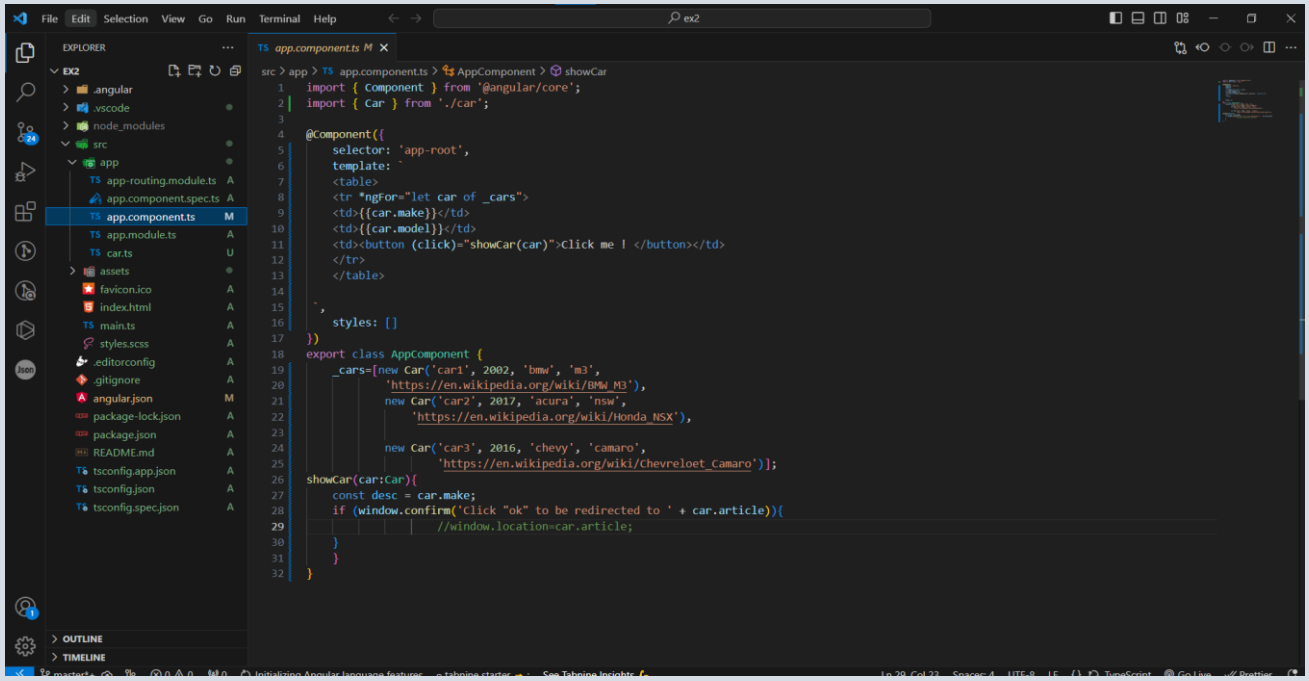
Lab 1

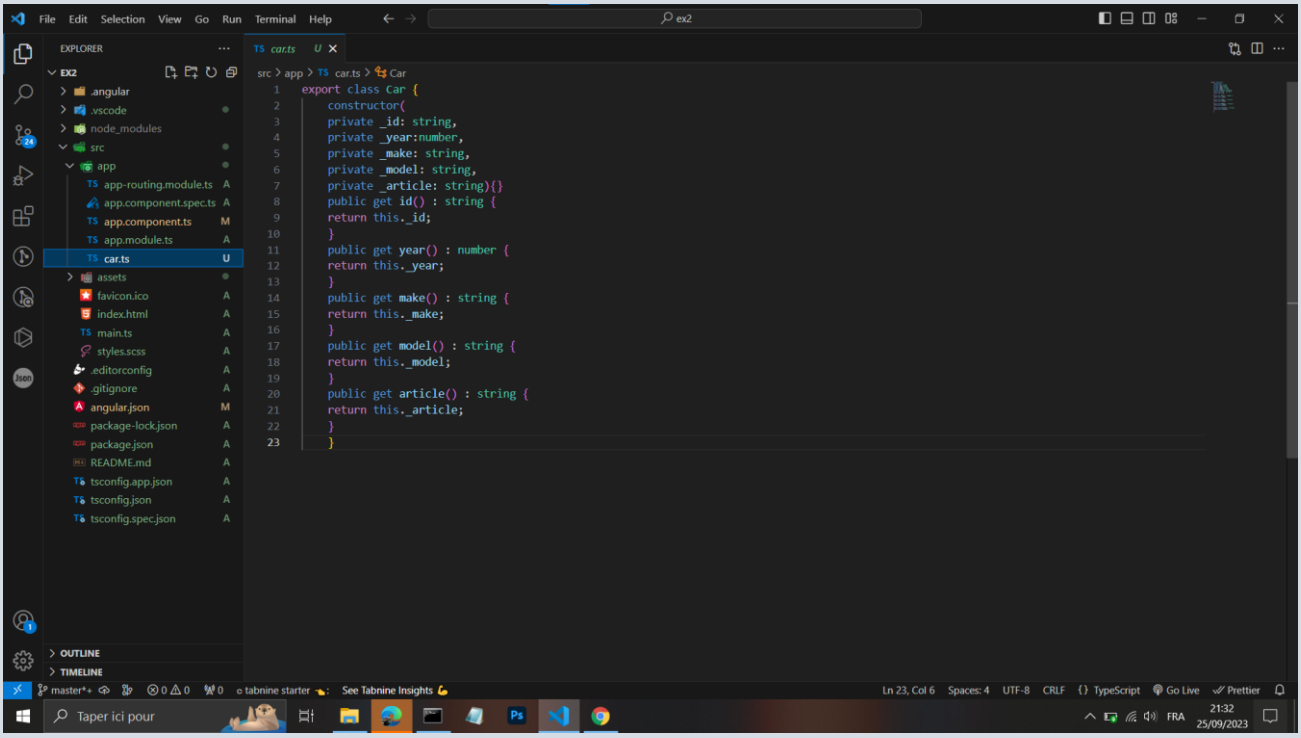

File Edit Selection View Go Run Terminal Help
ex1
app.component.ts M
src > app > app.component.ts > AppComponent > title
import { Component } from '@angular/core';
@Component({
selector: 'app-root',
template: `<h1>app works!</h1>
Length: 10

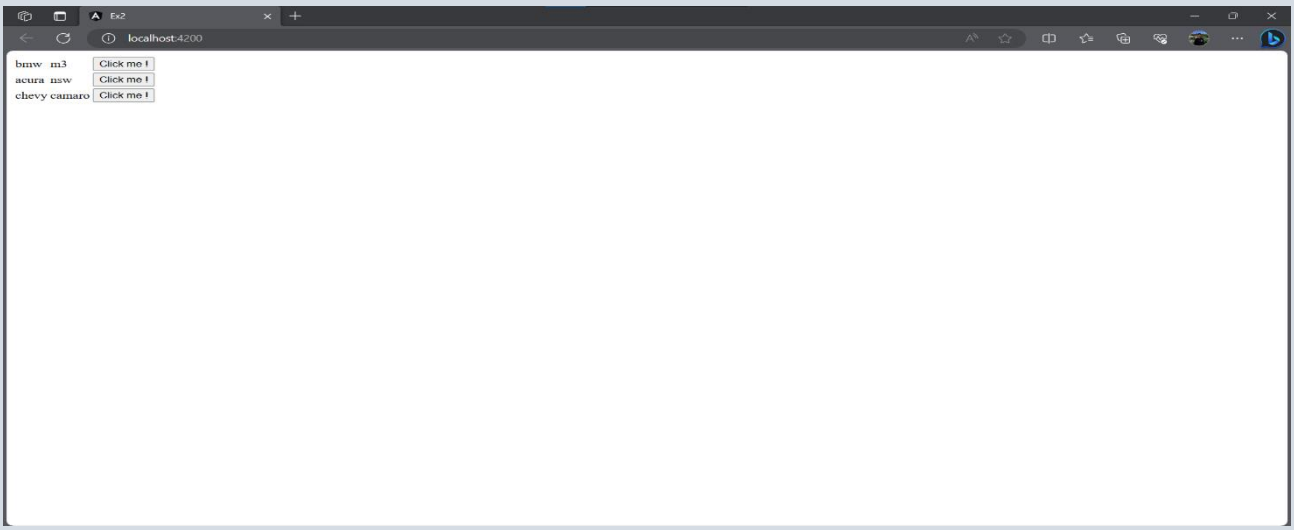
Reversed:
{{ getReversed(title) }}

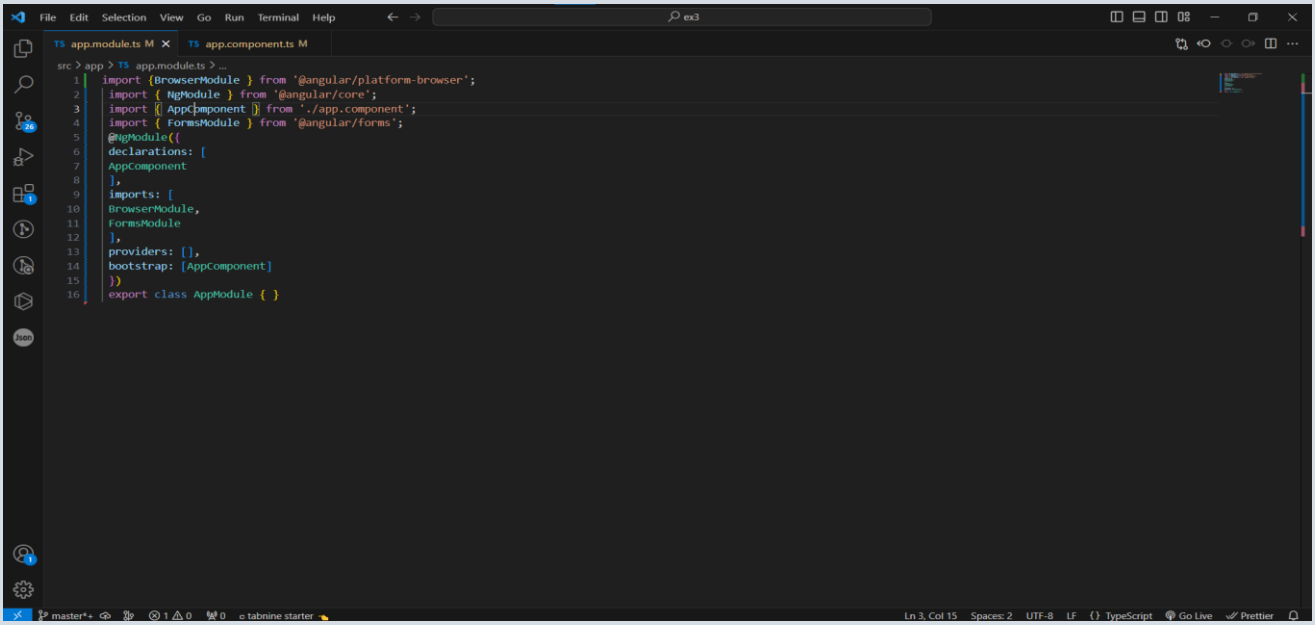
`,
styles: []
})
export class AppComponent {
title = 'app works!';
getReversed(str: string) {
let reversed = '';
for (let i = str.length - 1; i >= 0; i--) {
reversed += str.substring(i, i + 1);
}
return reversed;
}
}
master*+ 0 0 0 tabnine starter See Tabnine Insights
Ln 16, Col 24 Spaces: 4 UTF-8 LF TypeScript Go Live Prettier

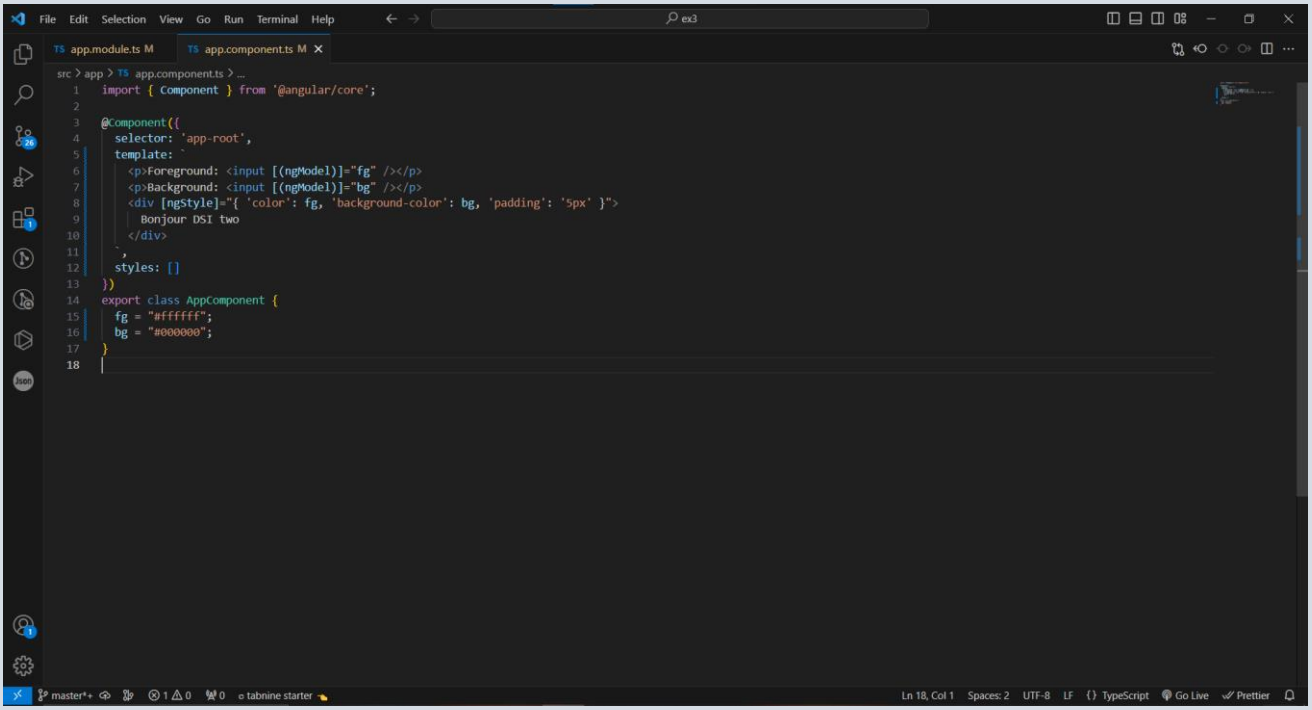

Ex1
localhost:4200
app works!
Length: 10
Reversed: !skrow ppa


File Edit Selection View Go Run Terminal Help
ex2
EXPLORER
EX2
app.component.ts M
src > app > app.component.ts > AppComponent > showCar
import { Component } from '@angular/core';
import { Car } from './car';
@Component({
selector: 'app-root',
template: `
<table>
<tr *ngFor="let car of _cars">
<td>{{car.make}}</td>
<td>{{car.model}}</td>
<td><button (click)="showCar(car)">Click me ! </button></td>
</tr>
</table>
`,
styles: []
})
export class AppComponent {
_cars=[new Car('car1', 2002, 'bmw', 'm3',
'https://en.wikipedia.org/wiki/BMW_M3'),
new Car('car2', 2017, 'acura', 'nsw',
'https://en.wikipedia.org/wiki/Honda_NSX'),
new Car('car3', 2016, 'chevy', 'camaro',
'https://en.wikipedia.org/wiki/Chevreloet_Camaro')];
showCar(car:Car){
const desc = car.make;
if (window.confirm('Click "ok" to be redirected to ' + car.article)){
//window.location=car.article;
}
}
}
OUTLINE
TIMELINE

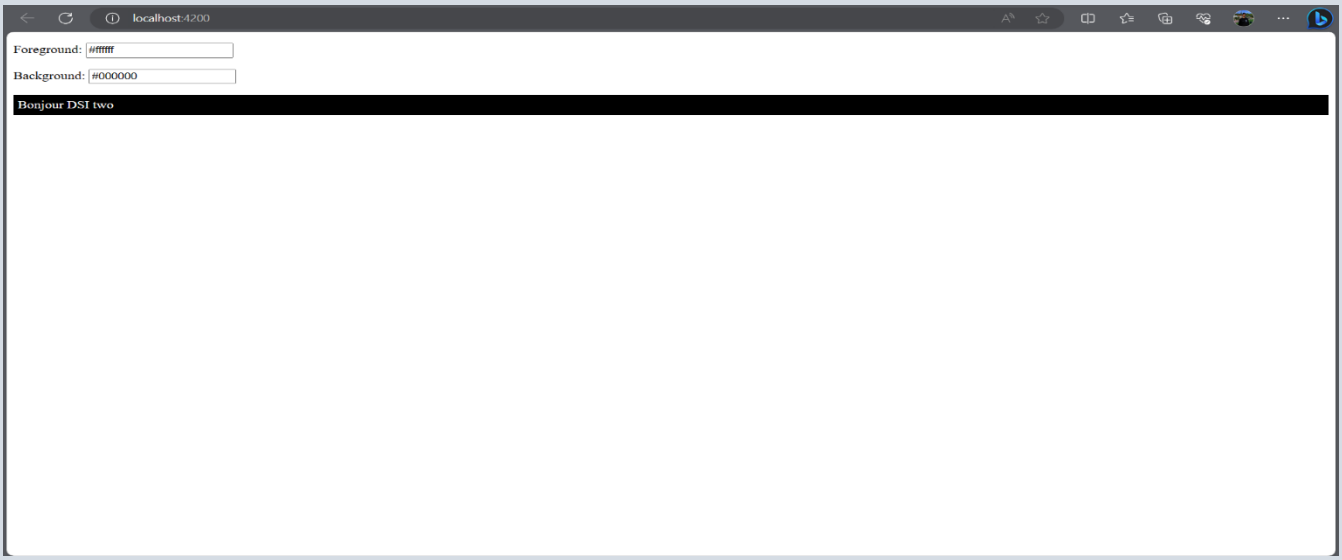

File Edit Selection View Go Run Terminal Help
ex2
EXPLORER
EX2
car.ts U
src > app > car.ts > Car
export class Car {
constructor(
private _id: string,
private _year:number,
private _make: string,
private _model: string,
private _article: string){}
public get id() : string {
return this._id;
}
public get year() : number {
return this._year;
}
public get make() : string {
return this._make;
}
public get model() : string {
return this._model;
}
public get article() : string {
return this._article;
}
}
OUTLINE
TIMELINE
master*+
e tabnine starter
See Tabnine Insights
Ln 23, Col 6
Spaces: 4
UTF-8
CRLF
TypeScript
Go Live
Prettier
Taper ici pour
FRA
21:32
25/09/2023

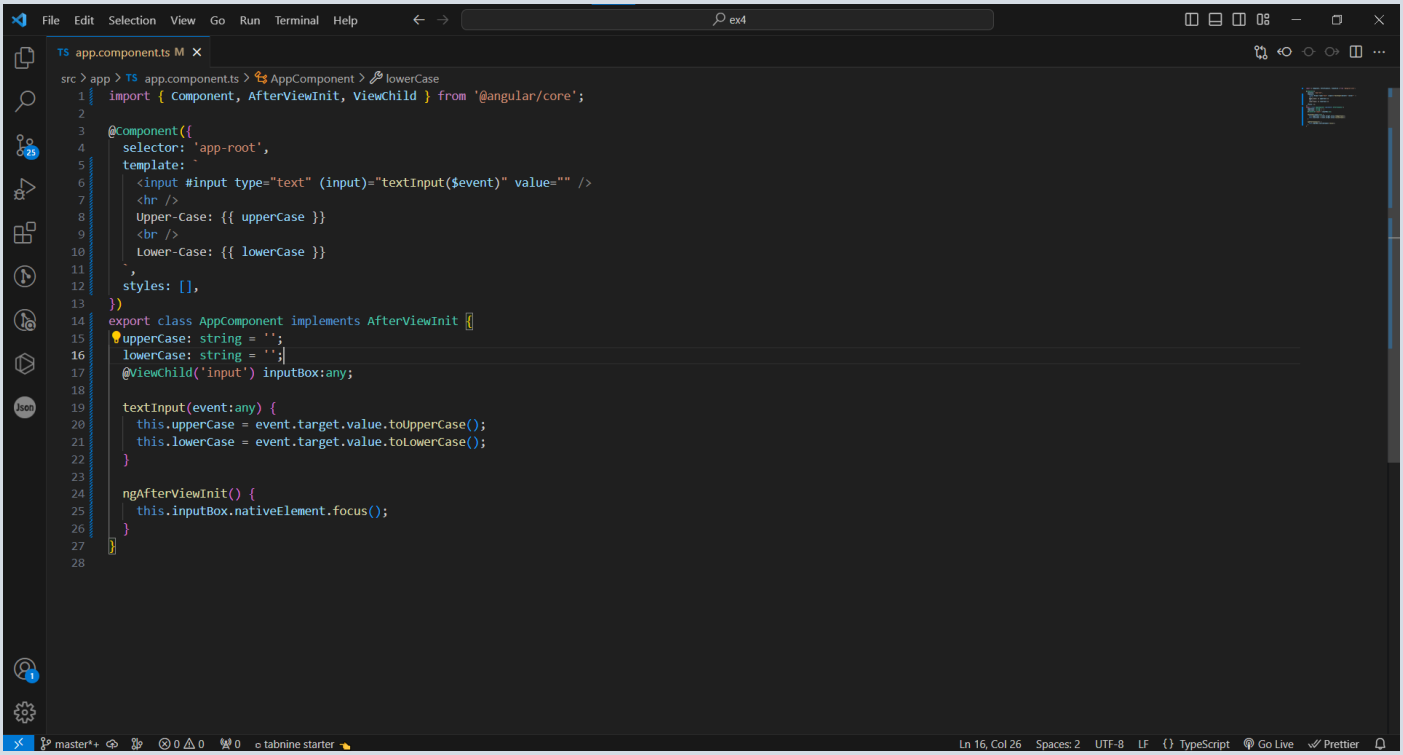

Ex2
localhost:4200
bmw m3 Click me !
acura nsw Click me !
chevy camaro Click me !


File Edit Selection View Go Run Terminal Help
app.module.ts M
app.component.ts M
src > app > app.module.ts > ...
import {BrowserModule } from '@angular/platform-browser';
import { NgModule } from '@angular/core';
import { AppComponent } from './app.component';
import { FormsModule } from '@angular/forms';
@NgModule({
declarations: [
AppComponent
],
imports: [
BrowserModule,
FormsModule
],
providers: [],
bootstrap: [AppComponent]
})
export class AppModule { }

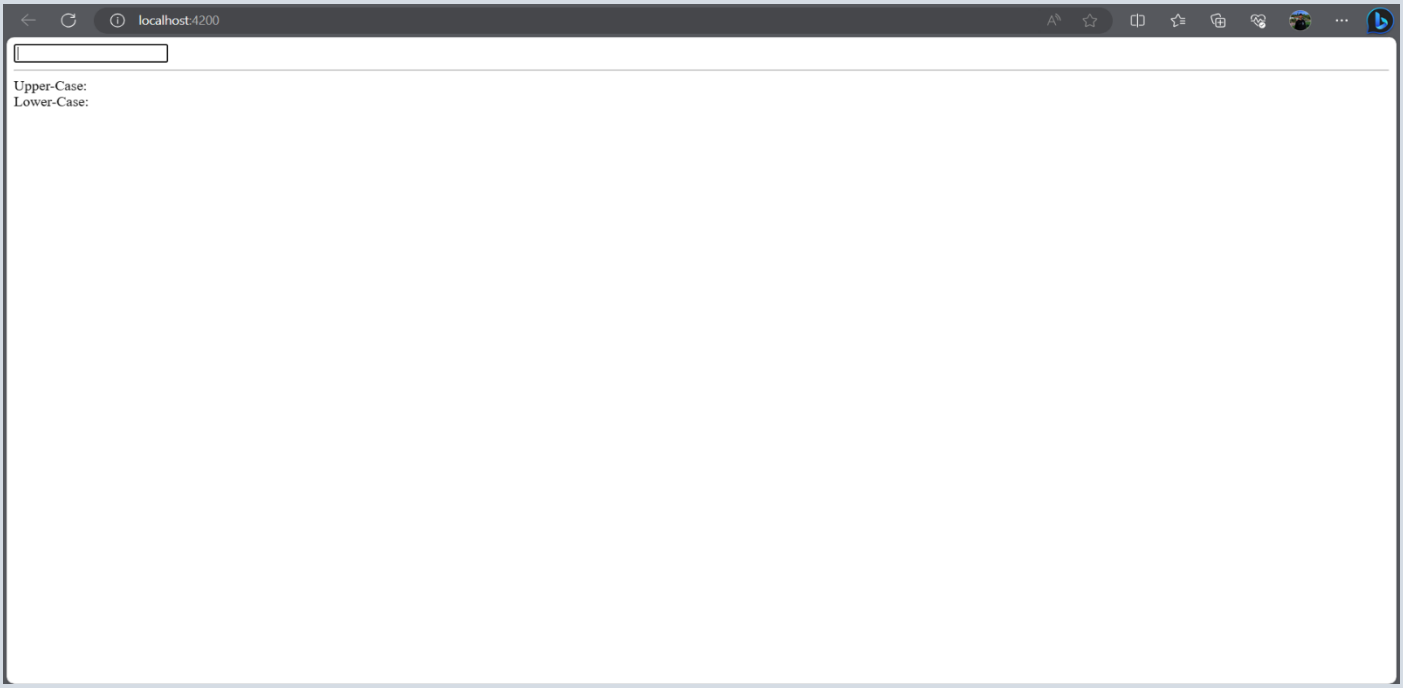

File Edit Selection View Go Run Terminal Help
app.module.ts M
app.component.ts M
src > app > app.component.ts > ...
import { Component } from '@angular/core';
@Component({
selector: 'app-root',
template: `
Foreground: <input [(ngModel)]="fg" />
Background: <input [(ngModel)]="bg" />
<div [ngStyle]="{ 'color': fg, 'background-color': bg, 'padding': '5px' }">
Bonjour DSI two

`,
styles: []
})
export class AppComponent {
fg = "#ffffff";
bg = "#000000";
}


localhost:4200
Foreground: #ffffff
Background: #000000
Bonjour DSI two


File Edit Selection View Go Run Terminal Help
ex4
app.component.ts M
src > app > app.component.ts > AppComponent > lowerCase
import { Component, AfterViewInit, ViewChild } from '@angular/core';
@Component({
selector: 'app-root',
template: `
<input #input type="text" (input)="textInput($event)" value="" />
<hr />
Upper-Case: {{ upperCase }}

Lower-Case: {{ lowerCase }}
`,
styles: [],
})
export class AppComponent implements AfterViewInit {
upperCase: string = '';
lowerCase: string = '';
@ViewChild('input') inputBox:any;
textInput(event:any) {
this.upperCase = event.target.value.toUpperCase();
this.lowerCase = event.target.value.toLowerCase();
}
ngAfterViewInit() {
this.inputBox.nativeElement.focus();
}
}
master*+
tabnine starter
Ln 16, Col 26
Spaces: 2
UTF-8
LF
TypeScript
Go Live
Prettier


localhost:4200
Upper-Case:
Lower-Case: