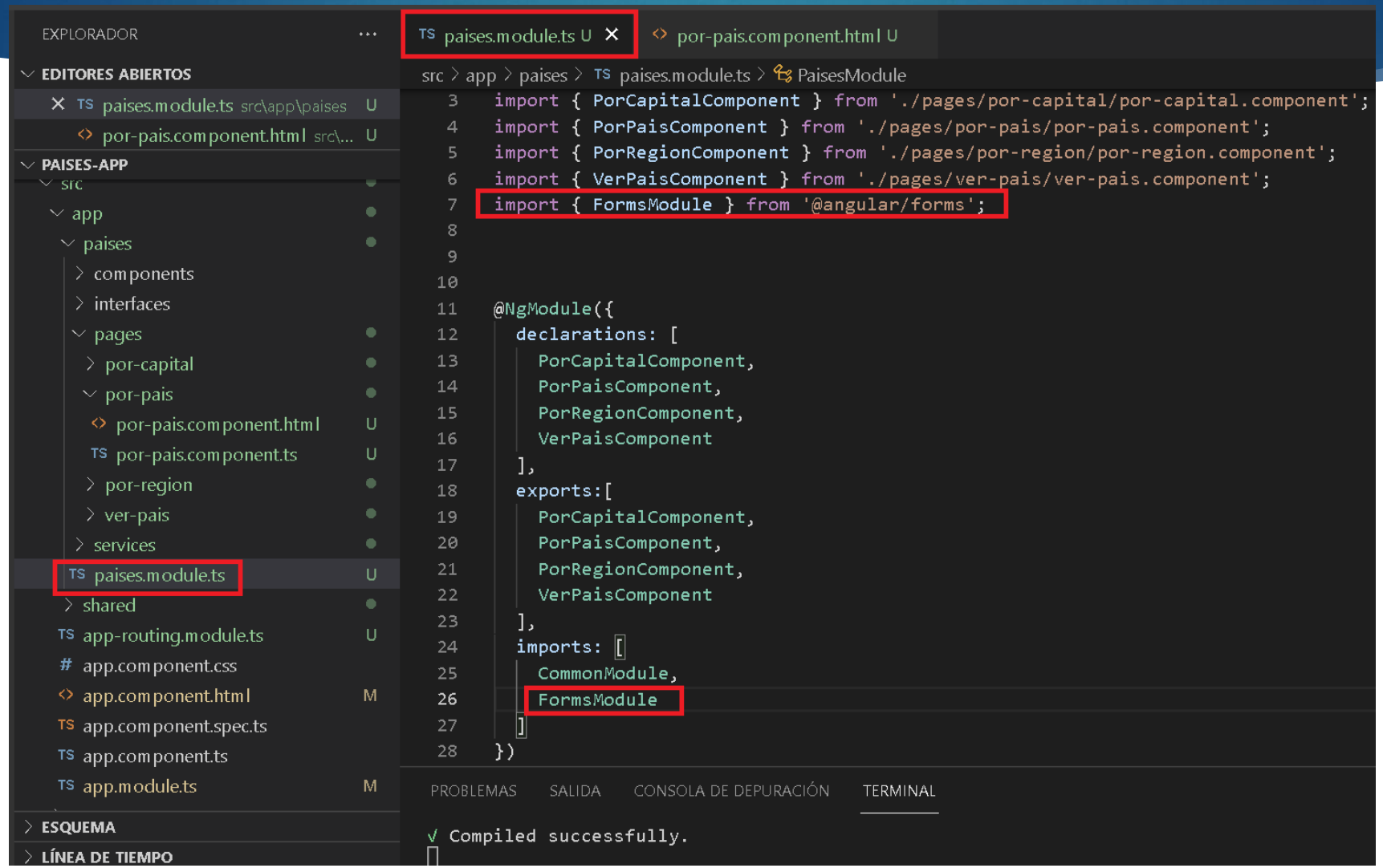
Seguimos con la app países, agregamos FormsModule a países.module.ts



odule.ts U | por-pais.component.html U | por-pais.component.ts U

c > app > paises > pages > por-pais > por-pais.component.ts > PorPaisComponent > buscar

```ts
import { Component, OnInit } from '@angular/core';

@Component({
  selector: 'app-por-pais',
  templateUrl: './por-pais.component.html',
  styles: [
  ]
})
export class PorPaisComponent implements OnInit {

  termino:string = "Hola Mundo";

  constructor() { }

  buscar(){
    console.log(this.termino);
  }
  ngOnInit(): void {
  }

}
```

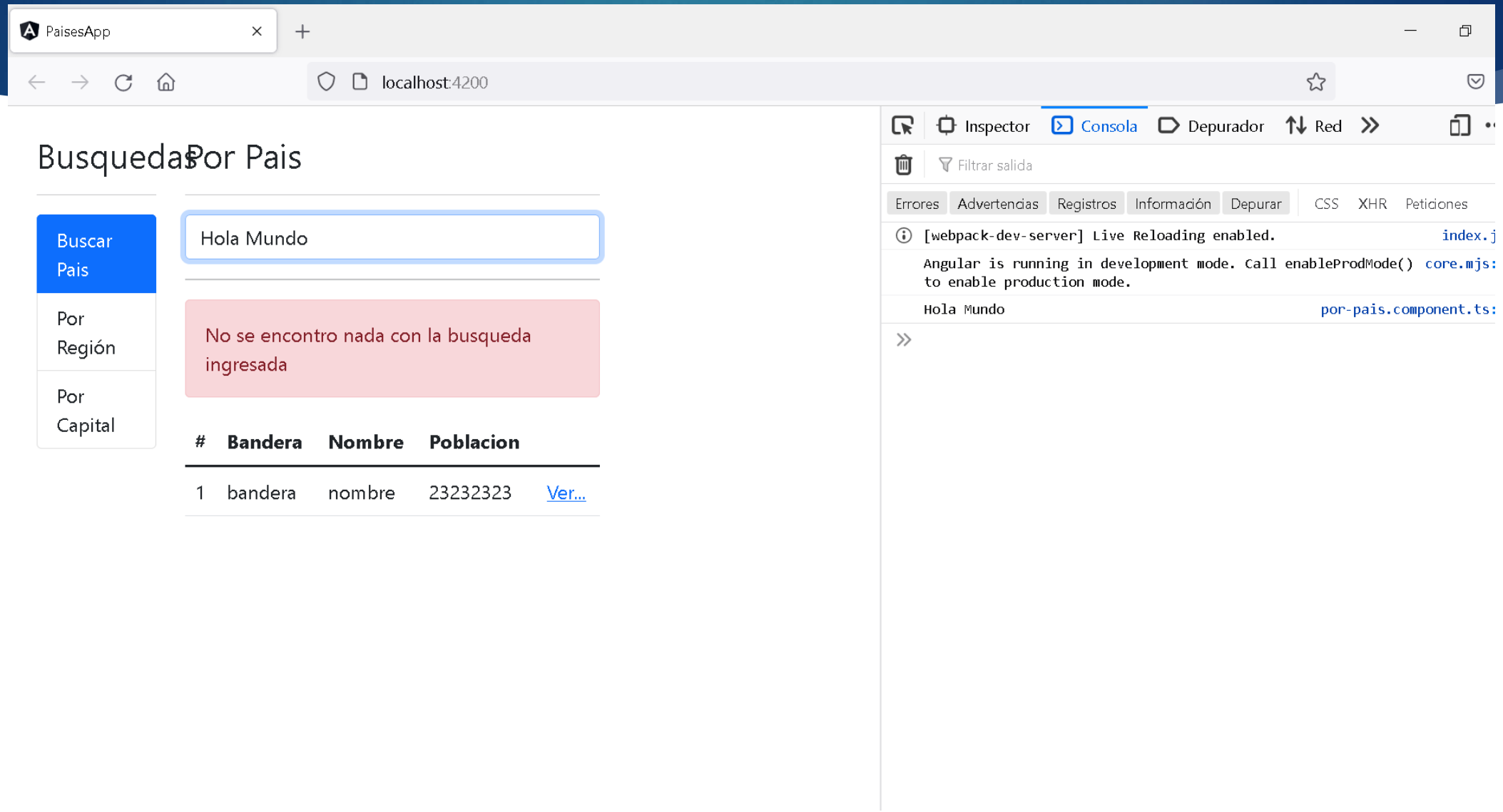
por-pais.component.html U

> app > paises > pages > por-pais > por-pais.component.html > div.row >

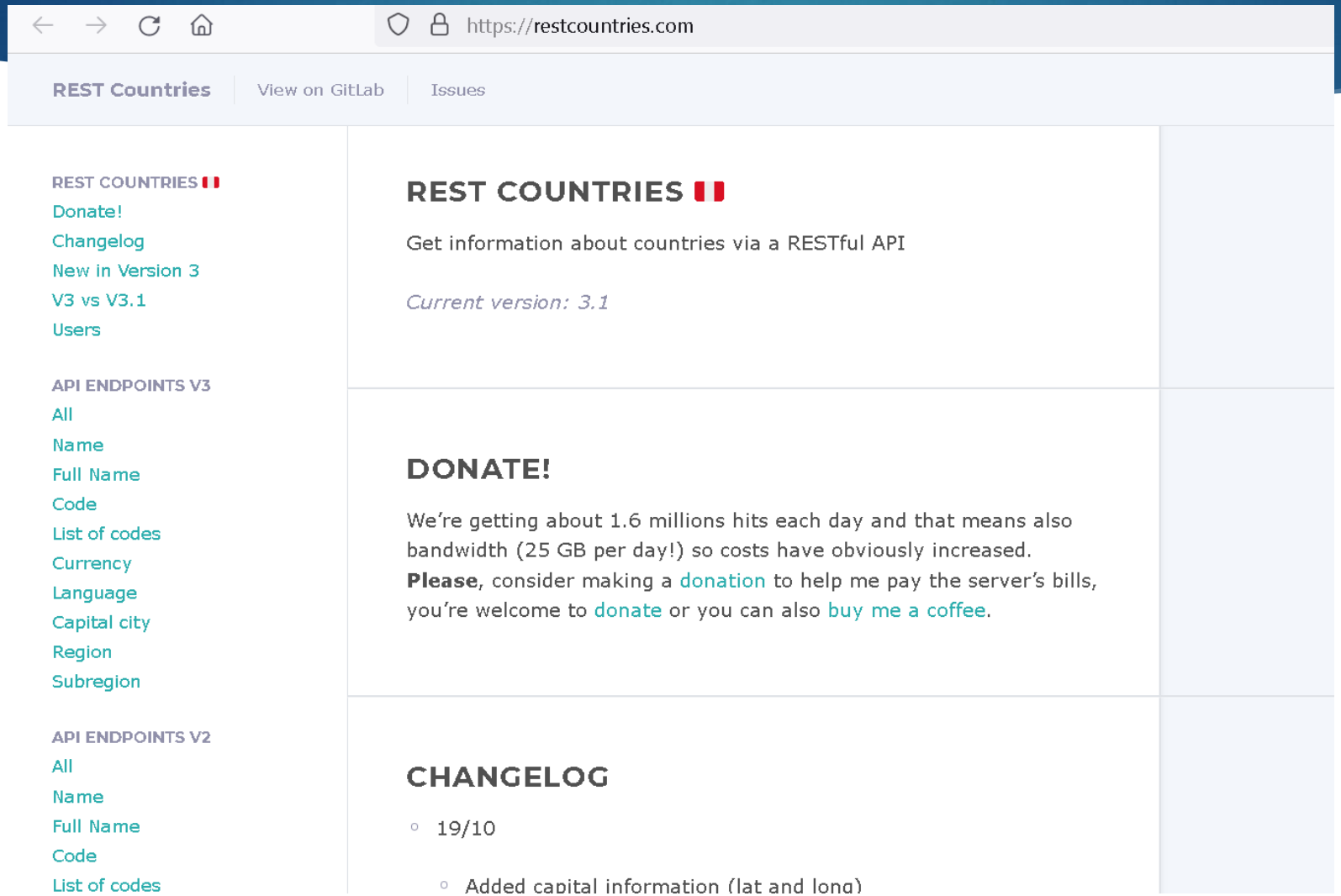
Go to component

```html
<h2>Por Pais</h2>
<hr>

<div class="row">
  <div class="col">
    <form (ngSubmit)="buscar()" autocomplete="off">
      <input
        type="text"
        name="termino"
        class="form-control"
        [(ngModel)]="termino"
        placeholder="Buscar pais...">
    </form>

  </div>
</div>

<hr>

<div class=" alert alert-danger">
  No se encontro nada con la busqueda ingresada
</div>

<div class="row">
  <div class="col">
```

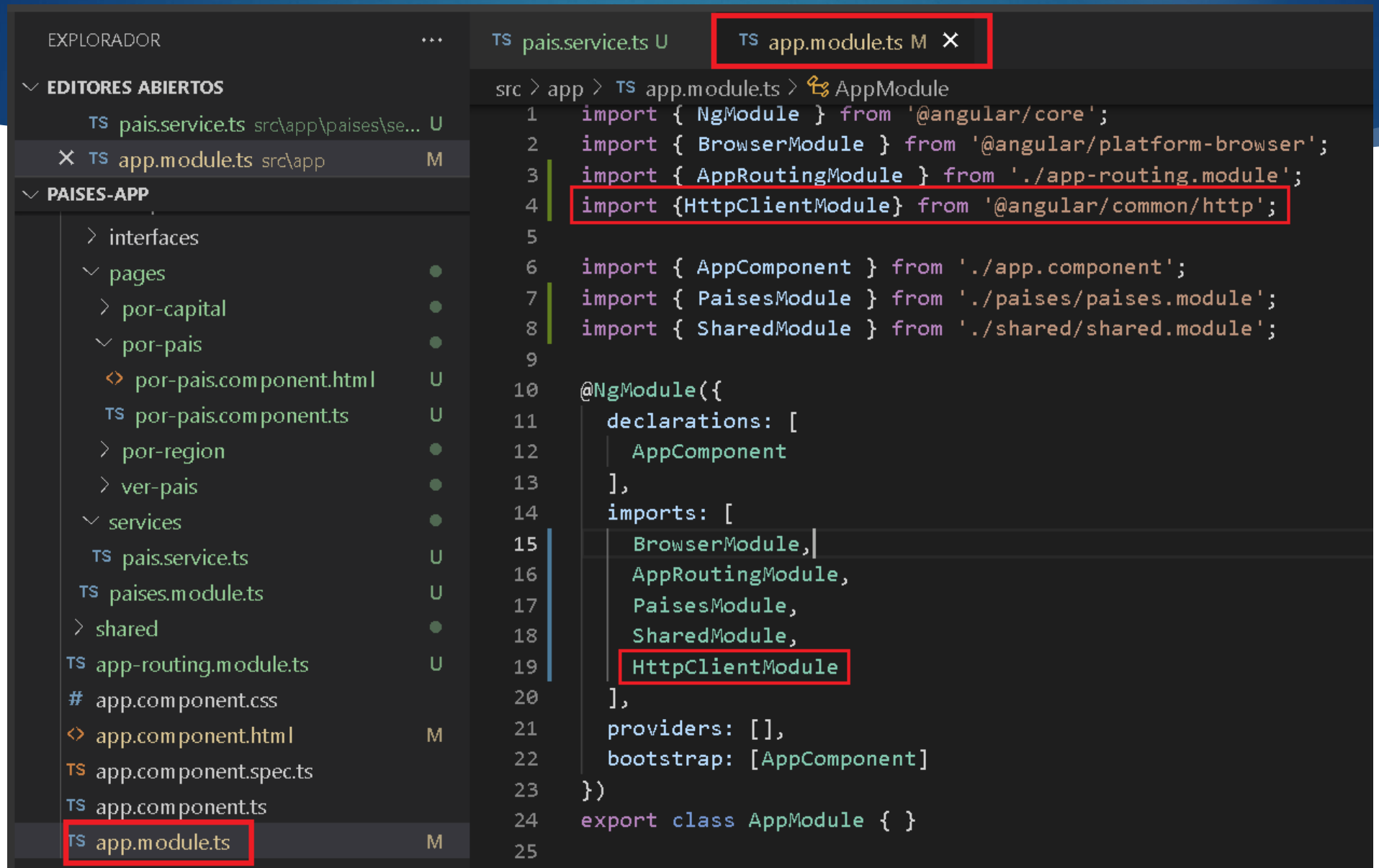
Al darle enter nos imprime lo que contiene el input

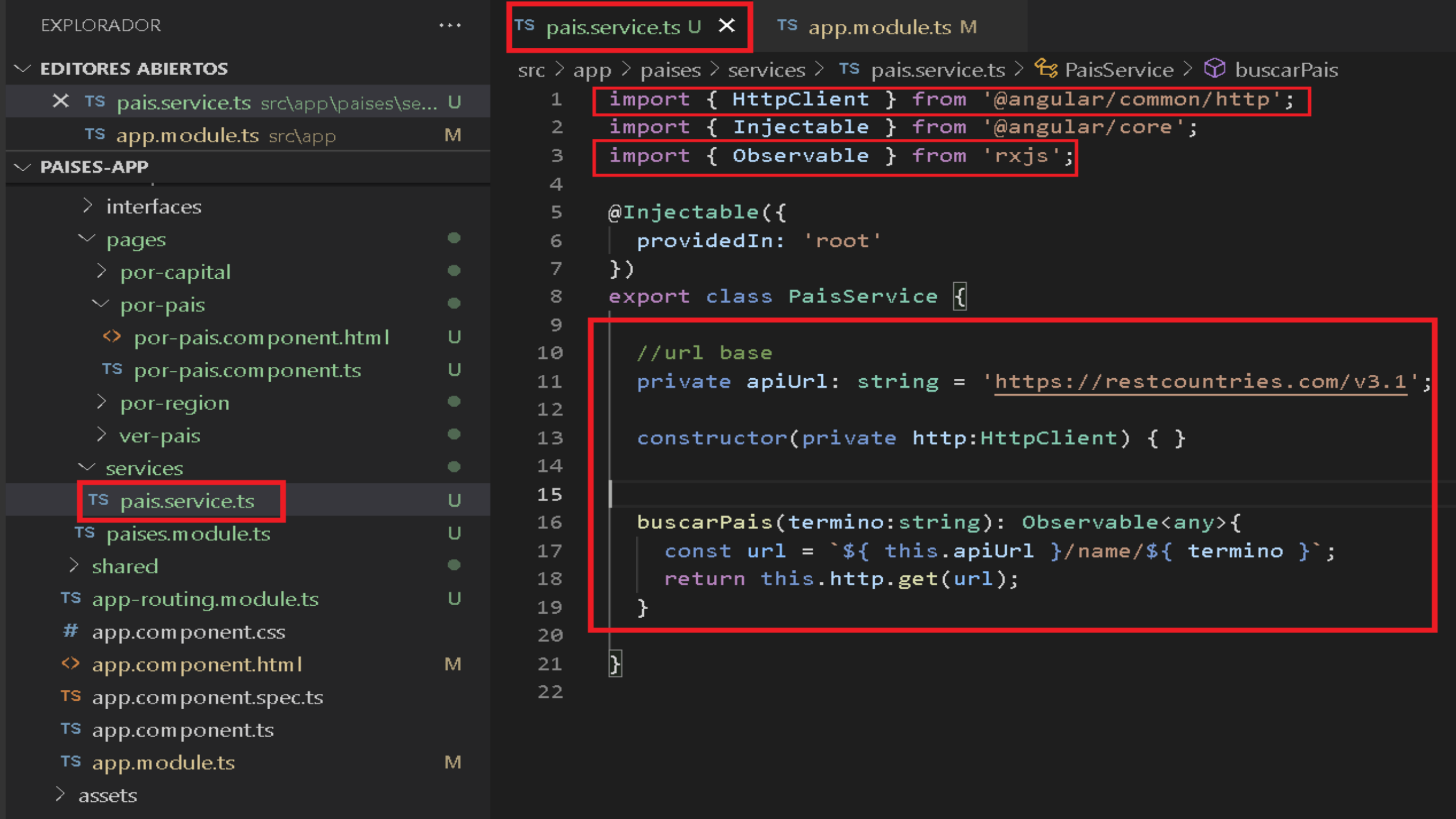


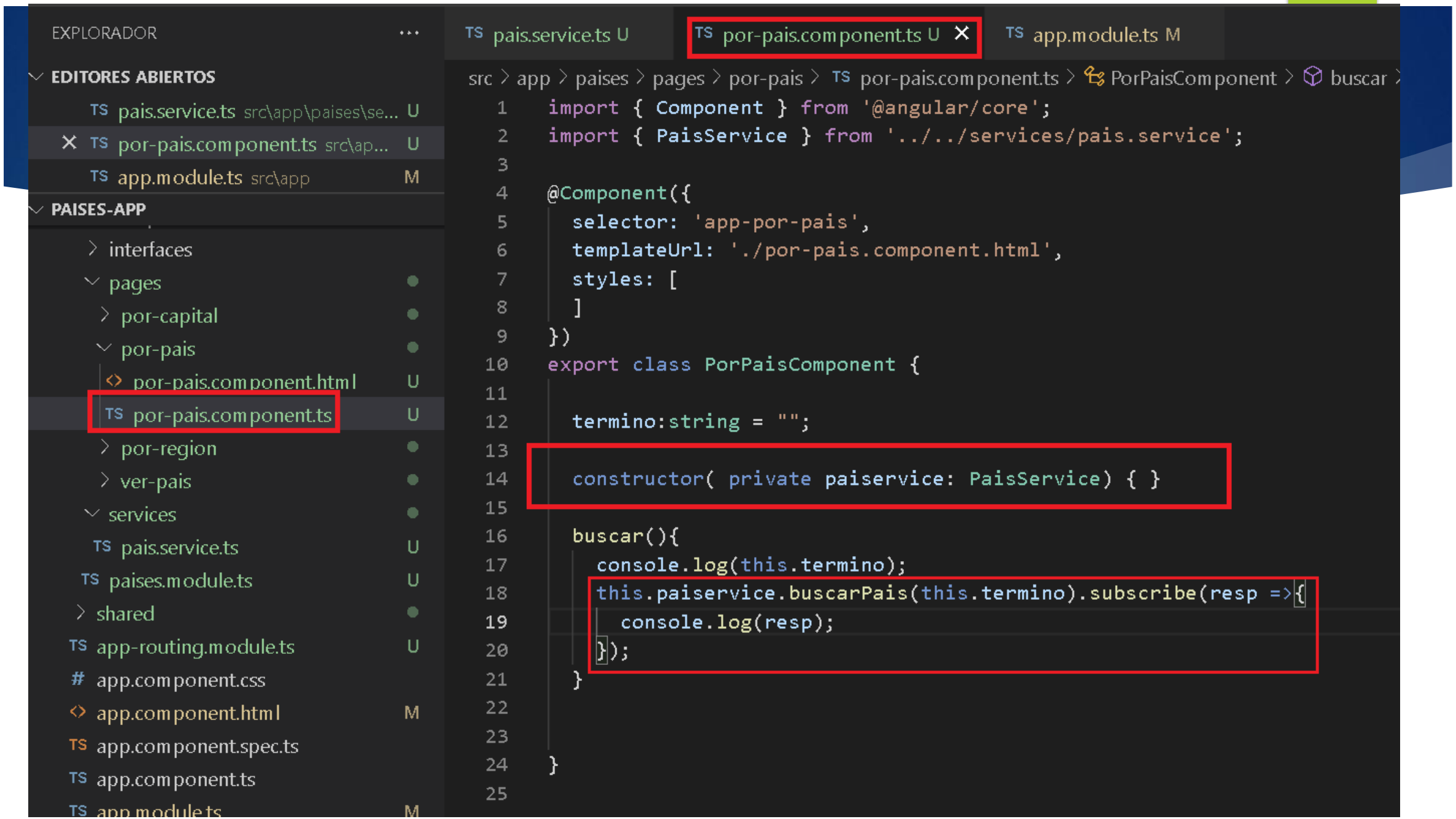
Api publica https://restcountries.com/



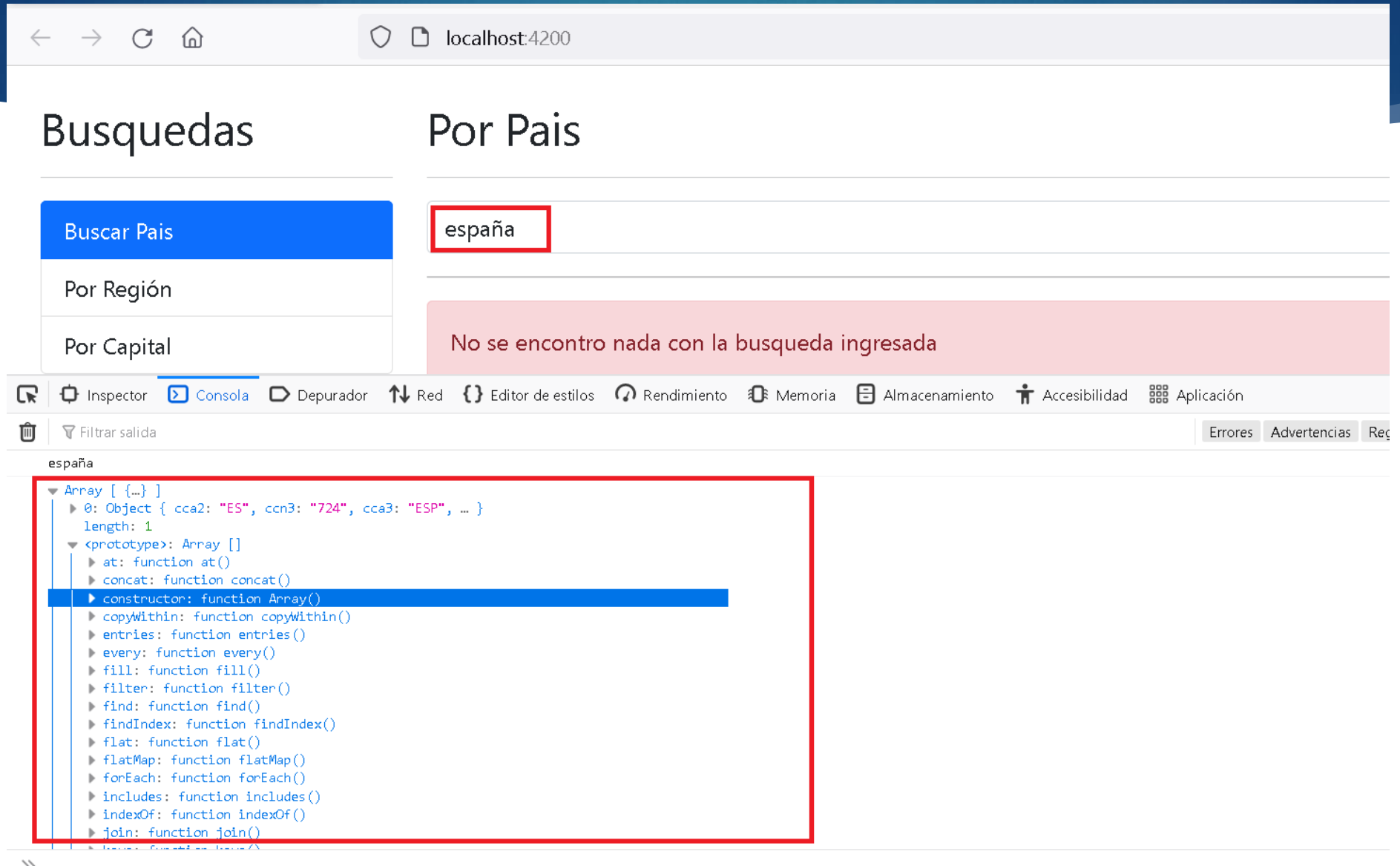
Llamamos al HttpClientModule para trabajar con peticiones http



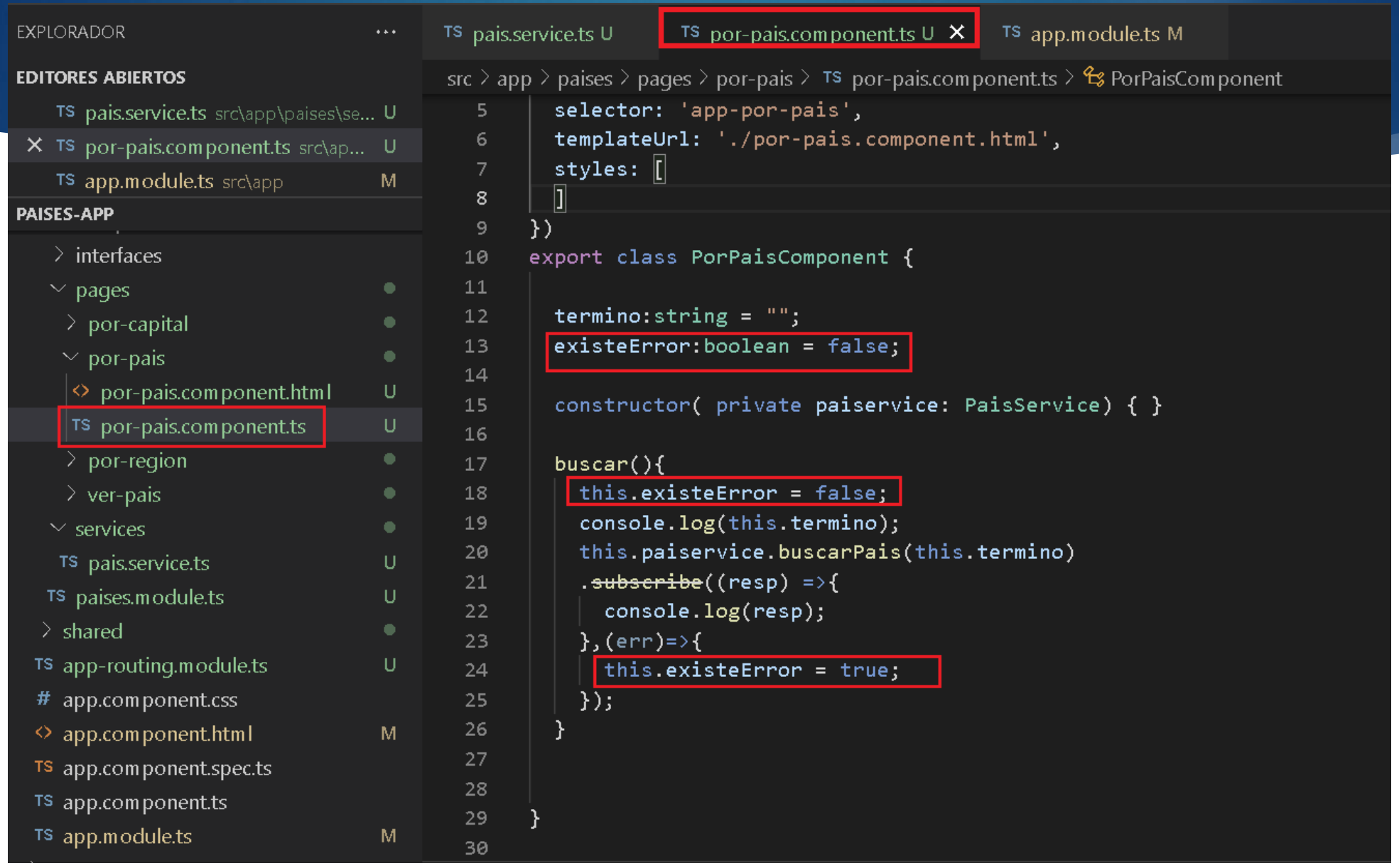

EXPLORADOR
EDITORES ABIERTOS
pais.service.ts src\app\paises\se... U
app.module.ts src\app M
PAISES-APP
interfaces
pages
por-capital
por-pais
por-pais.component.html U
por-pais.component.ts U
por-region
ver-pais
services
pais.service.ts U
paises.module.ts U
shared
app-routing.module.ts U
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
assets
pais.service.ts U
app.module.ts M
src > app > paises > services > pais.service.ts > PaisService > buscarPais
1 import { HttpClient } from '@angular/common/http';
2 import { Injectable } from '@angular/core';
3 import { Observable } from 'rxjs';
4
5 @Injectable({
6 providedIn: 'root'
7 })
8 export class PaisService {
9
10 //url base
11 private apiUrl: string = 'https://restcountries.com/v3.1';
12
13 constructor(private http:HttpClient) { }
14
15
16 buscarPais(termino:string): Observable<any>{
17 const url = `${ this.apiUrl }/name/${ termino }`;
18 return this.http.get(url);
19 }
20
21 }
22

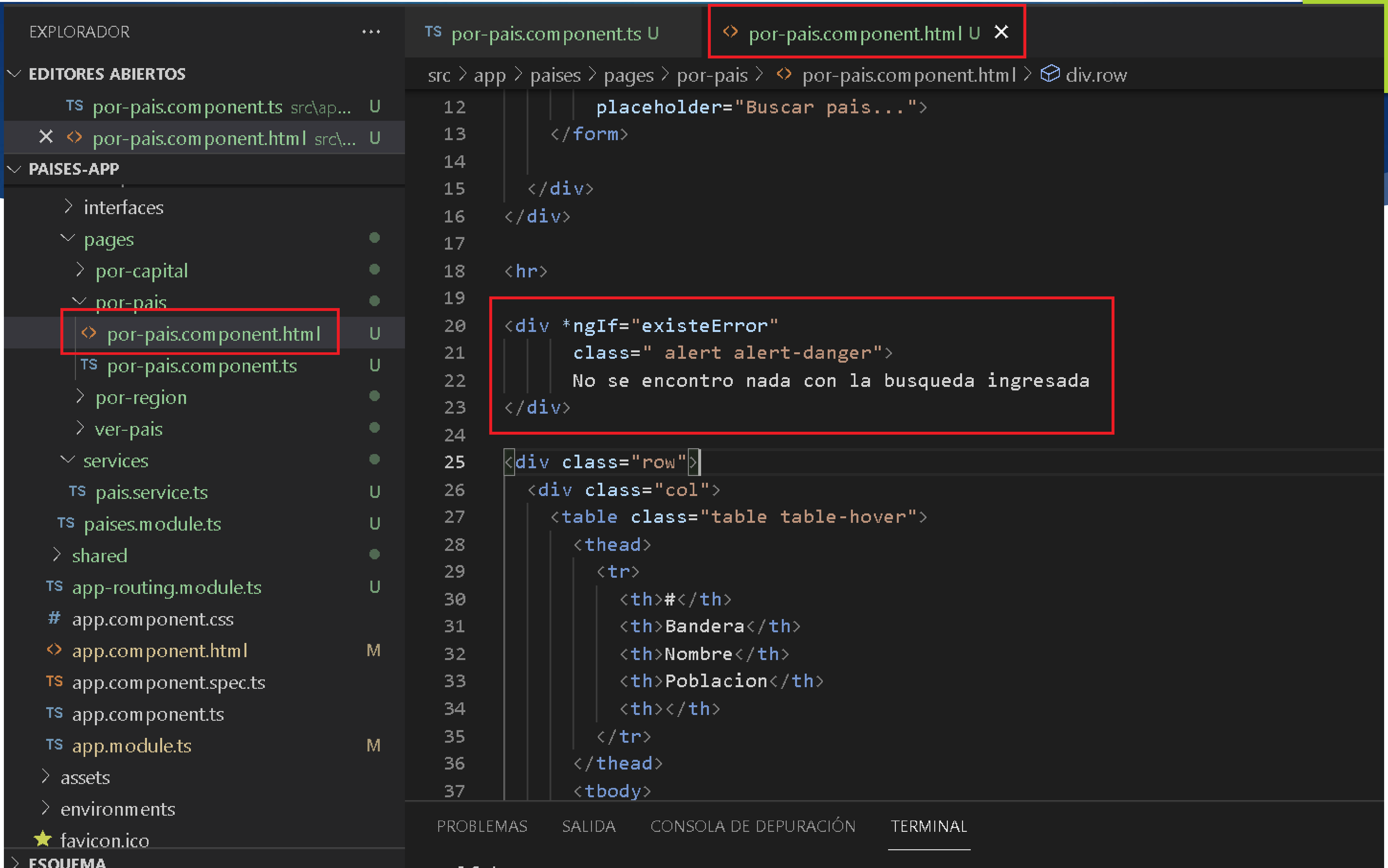

EXPLORADOR
EDITORES ABIERTOS
pais.service.ts src\app\paises\se... U
por-pais.component.ts src\ap... U
app.module.ts src\app M
PAISES-APP
interfaces
pages
por-capital
por-pais
por-pais.component.html U
por-pais.component.ts U
por-region
ver-pais
services
pais.service.ts U
paises.module.ts U
shared
app-routing.module.ts U
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
pais.service.ts U
por-pais.component.ts U
app.module.ts M
src > app > paises > pages > por-pais > por-pais.component.ts > PorPaisComponent > buscar
import { Component } from '@angular/core';
import { PaisService } from '../../services/pais.service';
@Component({
selector: 'app-por-pais',
templateUrl: './por-pais.component.html',
styles: [
]
})
export class PorPaisComponent {
termino:string = "";
constructor(private paiservice: PaisService) { }
buscar(){
console.log(this.termino);
this.paiservice.buscarPais(this.termino).subscribe(resp =>{
console.log(resp);
});
}
}

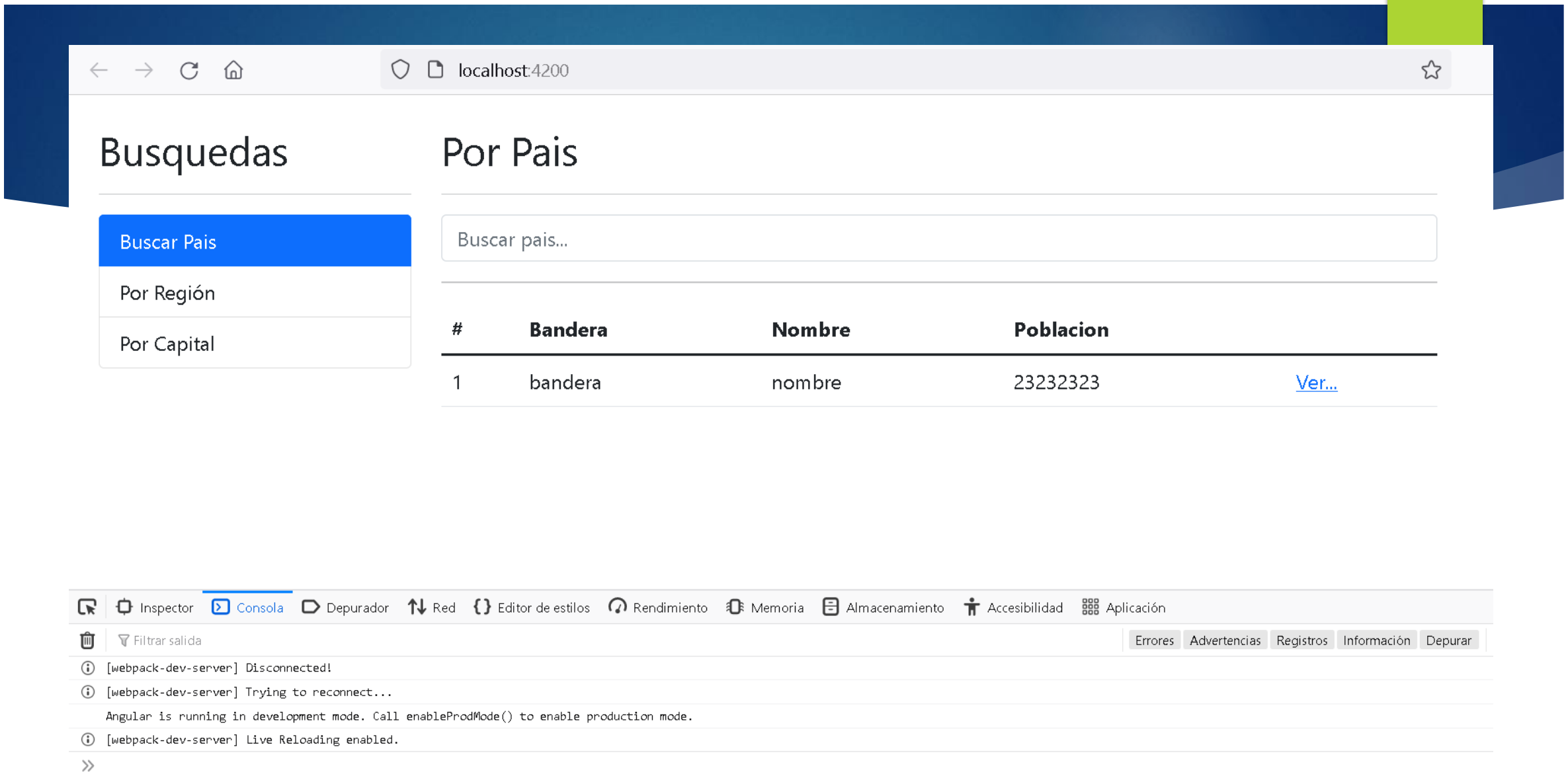
Probamos la petición http get

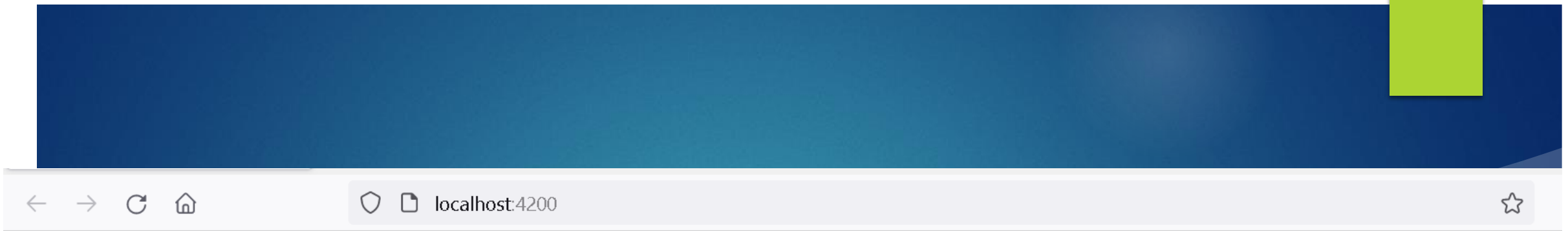


Manejo de errores




EXPLORADOR
EDITORES ABIERTOS
TS por-pais.component.ts src\ap... U
por-pais.component.html src\... U
PAISES-APP
interfaces
pages
por-capital
por-pais
por-pais.component.html U
TS por-pais.component.ts U
por-region
ver-pais
services
TS pais.service.ts U
TS paises.module.ts U
shared
TS app-routing.module.ts U
app.component.css
app.component.html M
TS app.component.spec.ts
TS app.component.ts
TS app.module.ts M
assets
environments
favicon.ico
ESQUEMA
TS por-pais.component.ts U
por-pais.component.html U
src > app > paises > pages > por-pais > por-pais.component.html > div.row
placeholder="Buscar pais...">
</form>
</div>
</div>
<hr>
<div *ngIf="existeError"
class=" alert alert-danger">
No se encontro nada con la busqueda ingresada
</div>
<div class="row">
<div class="col">
<table class="table table-hover">
<thead>
<tr>
<th>#</th>
<th>Bandera</th>
<th>Nombre</th>
<th>Poblacion</th>
<th></th>
</tr>
</thead>
<tbody>
PROBLEMAS
SALIDA
CONSOLA DE DEPURACIÓN
TERMINAL


localhost:4200
Busquedas
Buscar Pais
Por Región
Por Capital
Por Pais
Buscar pais...
Bandera Nombre Poblacion
1 bandera nombre 23232323 Ver...
Inspector Consola Depurador Red Editor de estilos Rendimiento Memoria Almacenamiento Accesibilidad Aplicación
Filtrar salida
Errores Advertencias Registros Información Depurar
[webpack-dev-server] Disconnected!
[webpack-dev-server] Trying to reconnect...
Angular is running in development mode. Call enableProdMode() to enable production mode.
[webpack-dev-server] Live Reloading enabled.



Busquedas

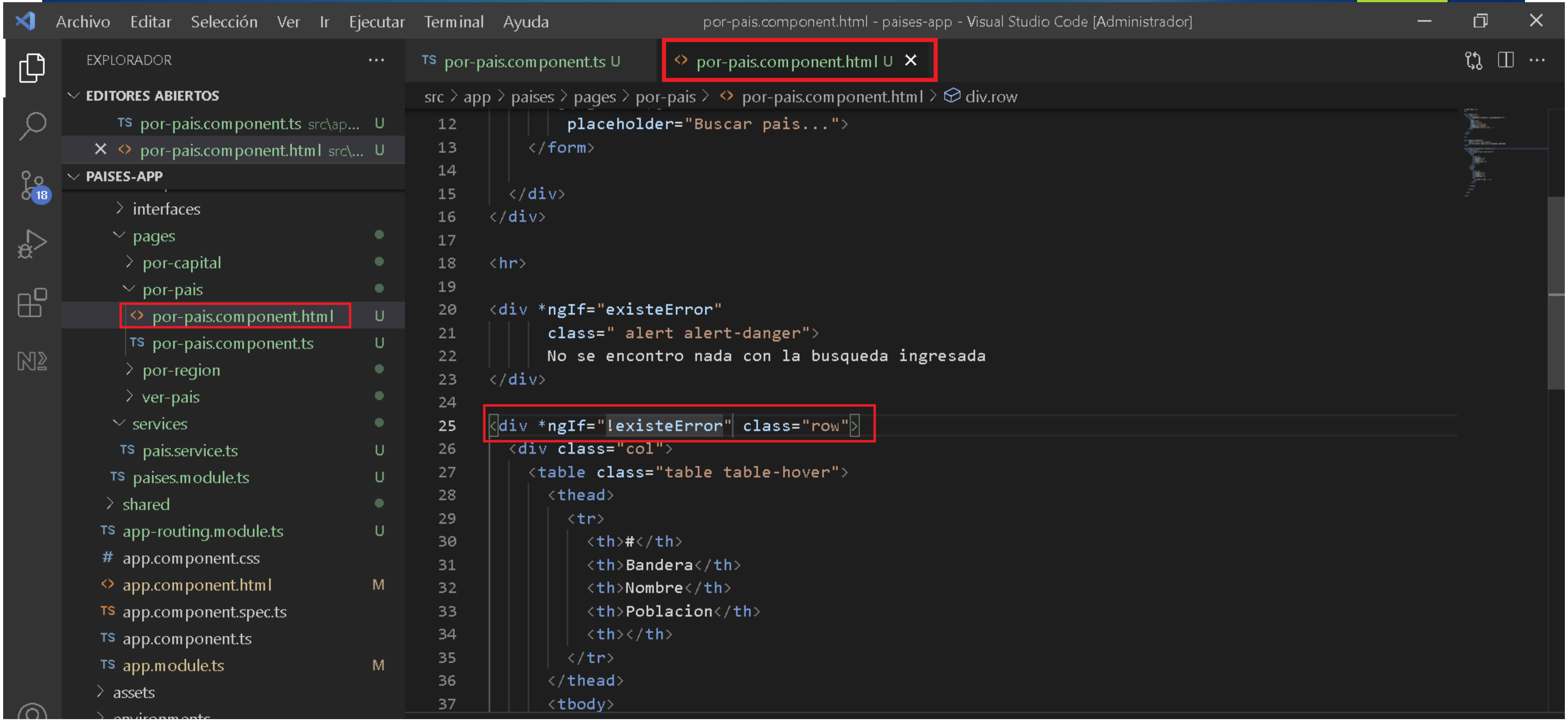
- Buscar Pais
- Por Región
- Por Capital

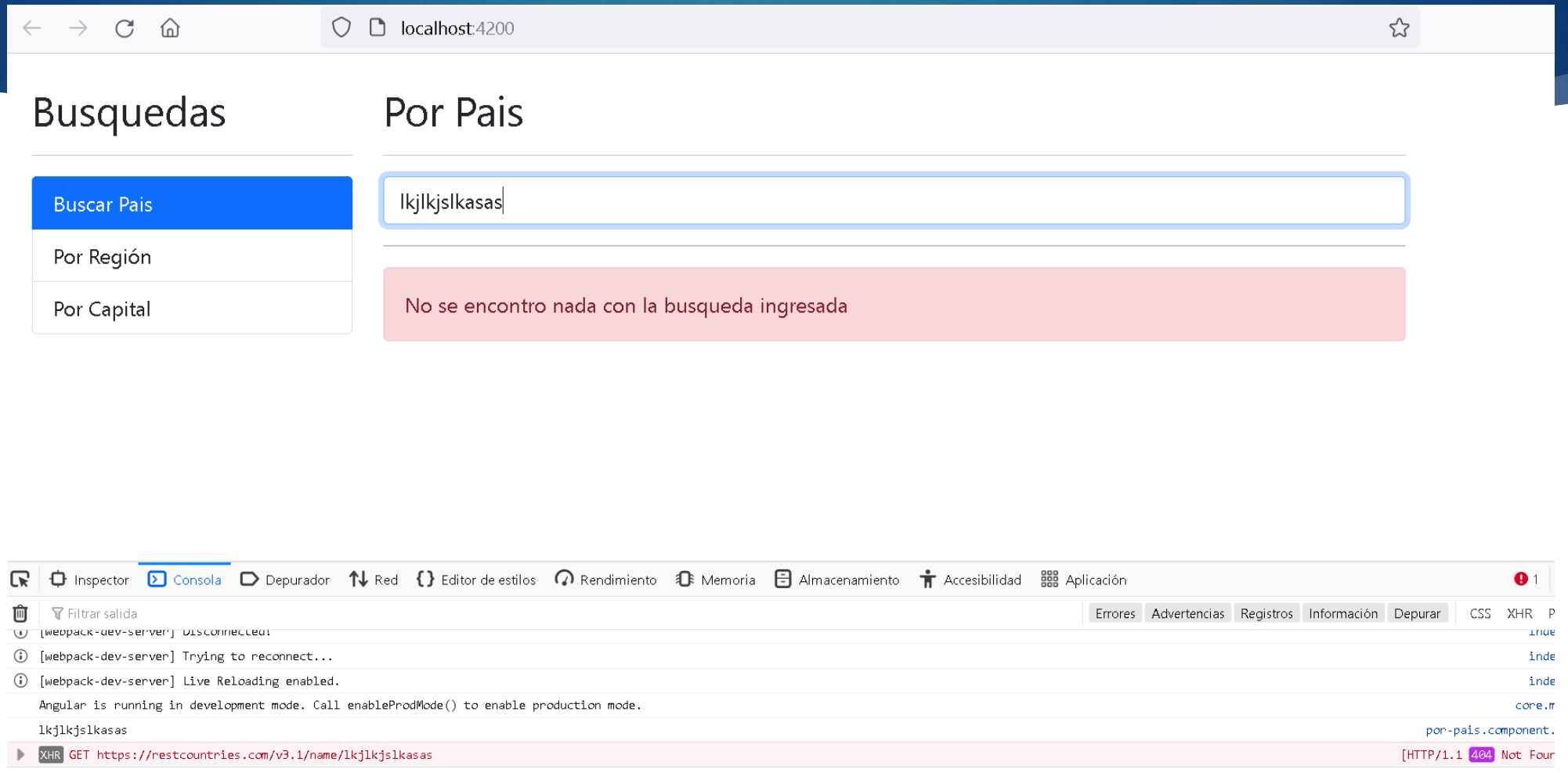
Por Pais

kaakjshakjshakjs

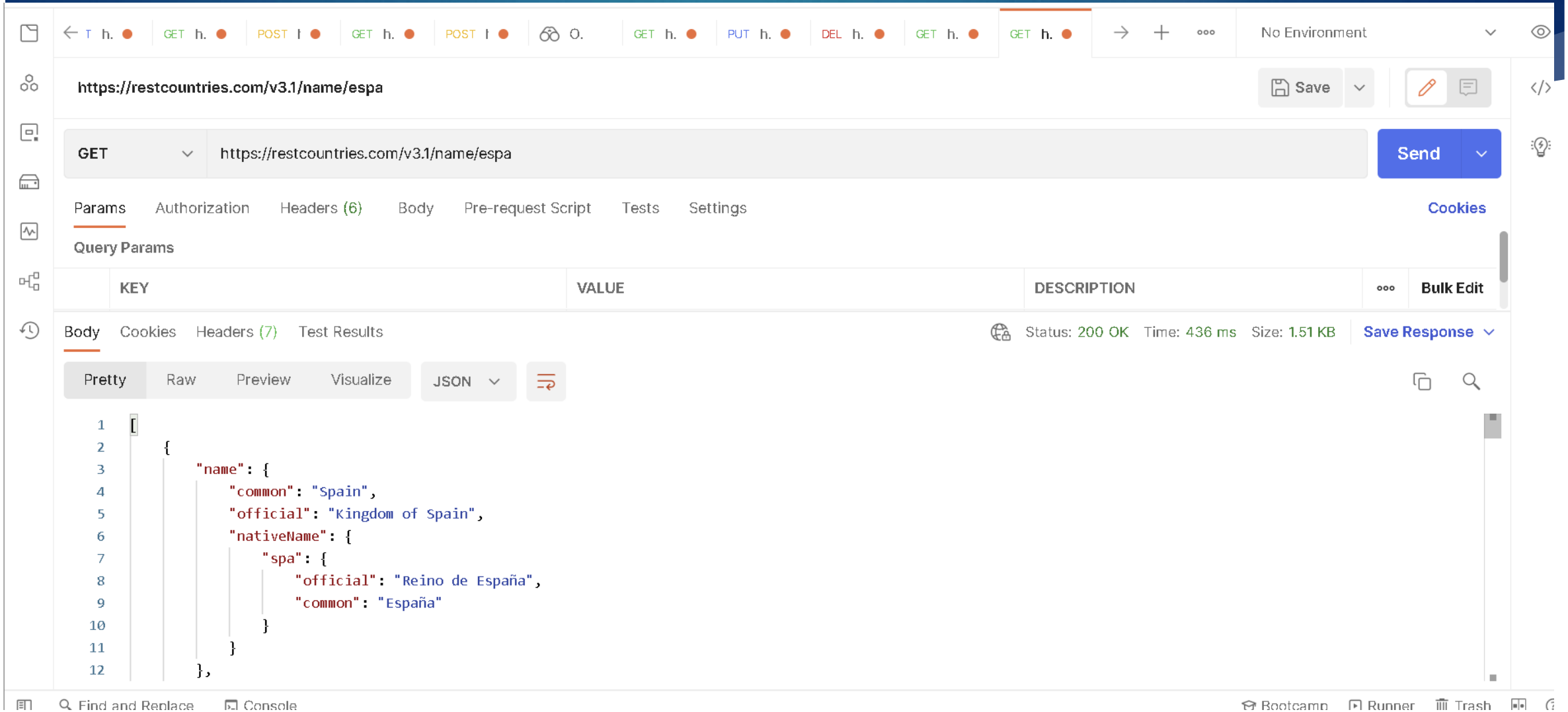
No se encontro nada con la busqueda ingresada

#	Bandera	Nombre	Poblacion	
1	bandera	nombre	23232323	Ver...

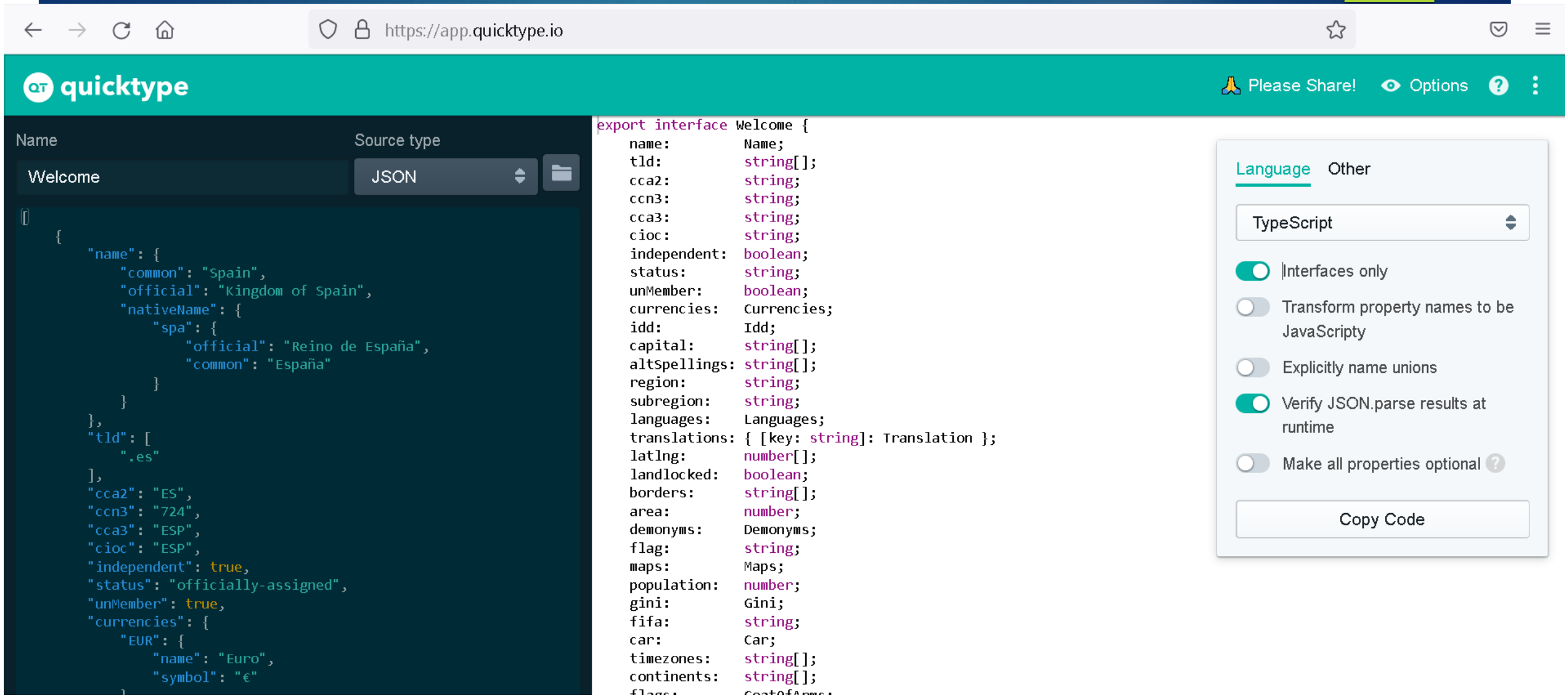

Archivo Editar Selección Ver Ir Ejecutar Terminal Ayuda
por-pais.component.html - paises-app - Visual Studio Code [Administrador]
EXPLORADOR
EDITORES ABIERTOS
por-pais.component.ts src\ap... U
por-pais.component.html src\... U
PAISES-APP
interfaces
pages
por-capital
por-pais
por-pais.component.html U
por-pais.component.ts U
por-region
ver-pais
services
pais.service.ts U
paises.module.ts U
shared
app-routing.module.ts U
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
assets
por-pais.component.ts U
por-pais.component.html U
src > app > paises > pages > por-pais > por-pais.component.html > div.row
placeholder="Buscar pais...">
</form>
</div>
</div>
<hr>
<div *ngIf="existeError"
class=" alert alert-danger">
No se encontro nada con la busqueda ingresada
</div>
<div *ngIf="!existeError" class="row">
<div class="col">
<table class="table table-hover">
<thead>
<tr>
<th>#</th>
<th>Bandera</th>
<th>Nombre</th>
<th>Poblacion</th>
<th></th>
</tr>
</thead>
<tbody>

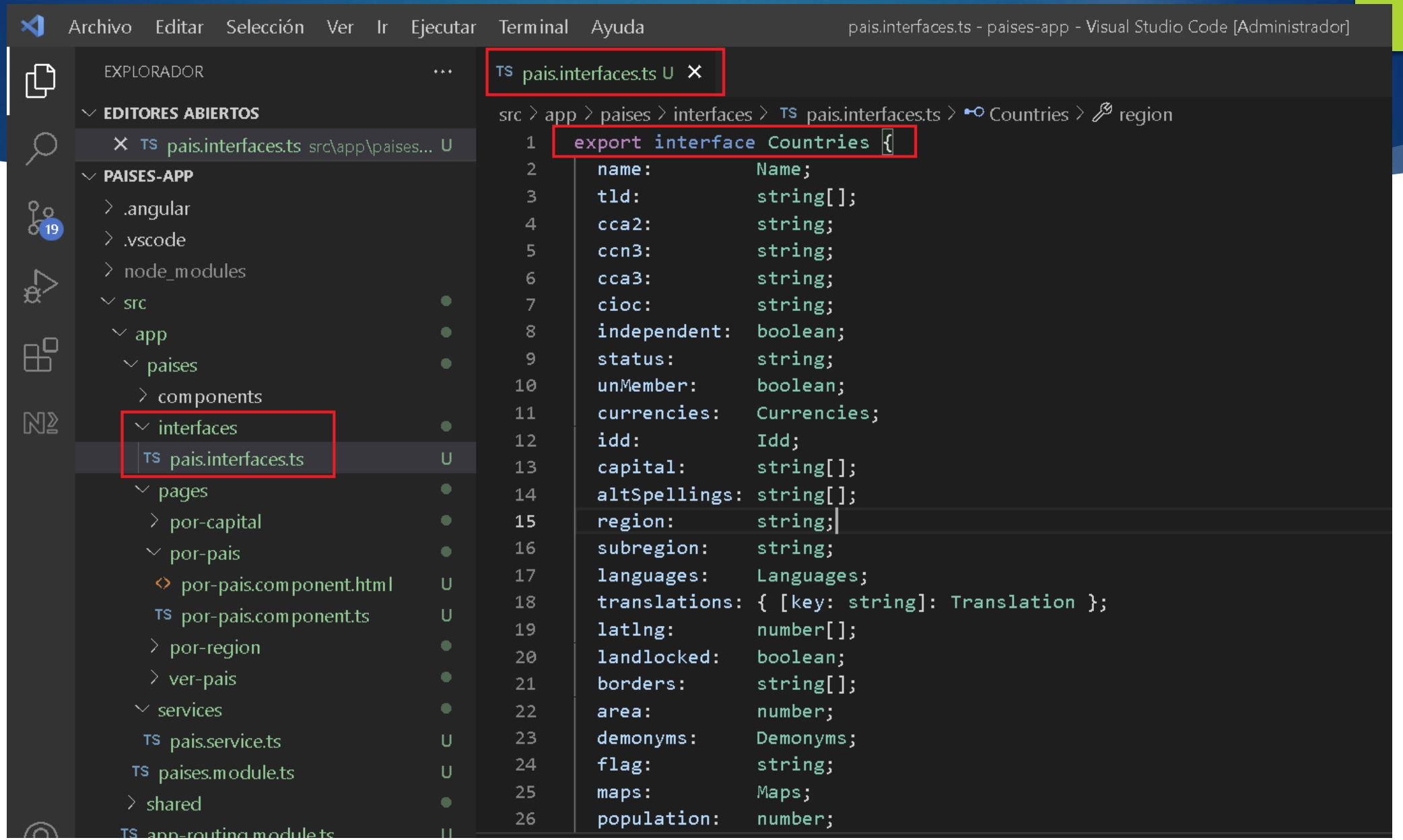

localhost:4200
Busquedas
Buscar Pais
Por Región
Por Capital
Por Pais
lkjlkjslkasas
No se encontro nada con la busqueda ingresada
Inspector
Consola
Depurador
Red
Editor de estilos
Rendimiento
Memoria
Almacenamiento
Accesibilidad
Aplicación
Filtrar salida
Errores
Advertencias
Registros
Información
Depurar
CSS
XHR
[webpack-dev-server] Trying to reconnect...
[webpack-dev-server] Live Reloading enabled.
Angular is running in development mode. Call enableProdMode() to enable production mode.
lkjlkjslkasas
por-pais.component.
XHR GET https://restcountries.com/v3.1/name/lkjlkjslkasas
[HTTP/1.1 404 Not Four

Tipado de la petición



Formateamos con esta app la respuesta de la petición



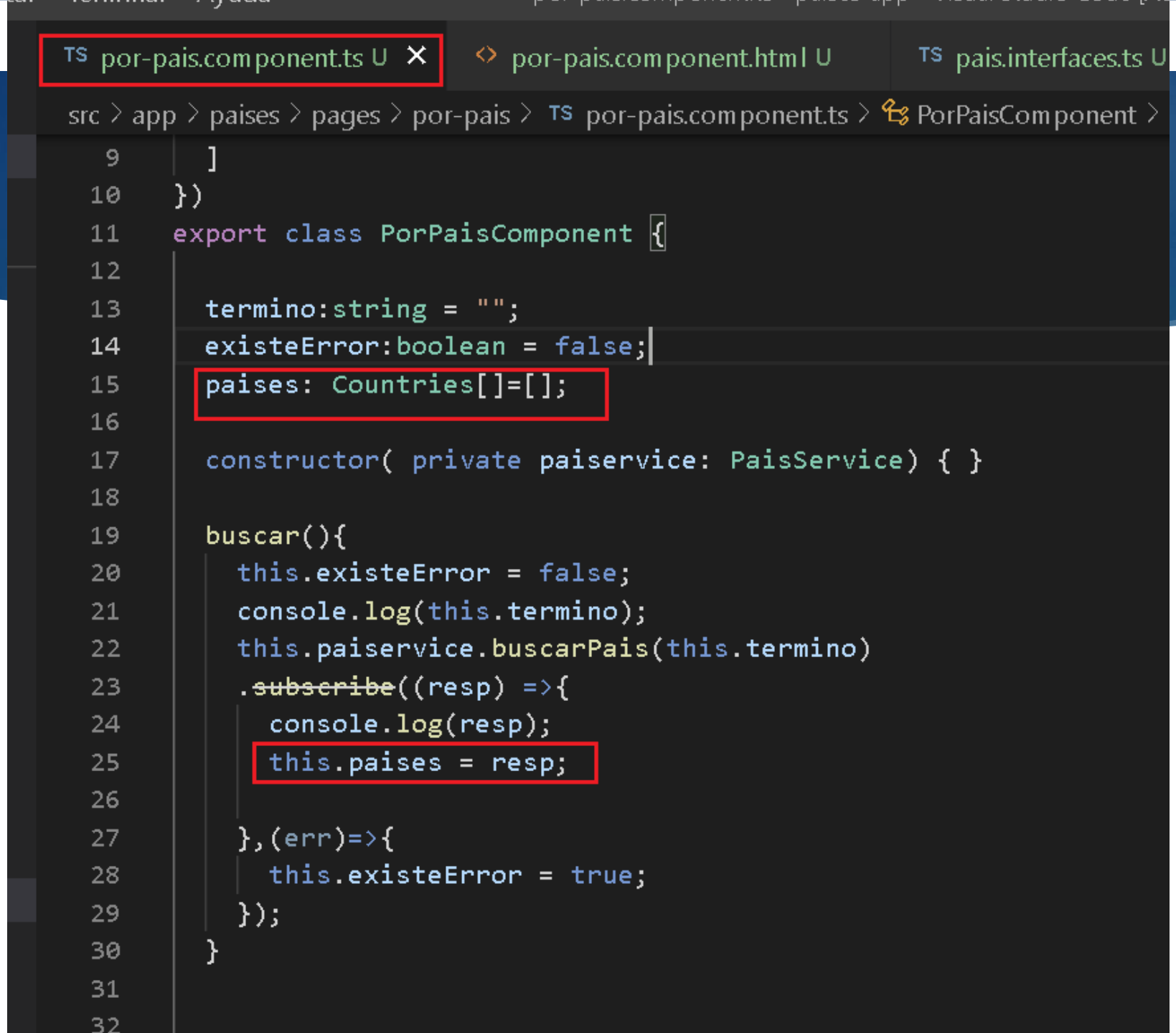

Archivo Editar Selección Ver Ir Ejecutar Terminal Ayuda
pais.interfaces.ts - paises-app - Visual Studio Code [Administrador]
EXPLORADOR
EDITORES ABIERTOS
pais.interfaces.ts src\app\paises... U
PAISES-APP
.angular
.vscode
node_modules
src
app
paises
components
interfaces
pais.interfaces.ts U
pages
por-capital
por-pais
por-pais.component.html U
por-pais.component.ts U
por-region
ver-pais
services
pais.service.ts U
paises.module.ts U
shared
pais.interfaces.ts U
src > app > paises > interfaces > pais.interfaces.ts > Countries > region
export interface Countries {
name: Name;
tld: string[];
cca2: string;
ccn3: string;
cca3: string;
cioc: string;
independent: boolean;
status: string;
unMember: boolean;
currencies: Currencies;
idd: Idd;
capital: string[];
altSpellings: string[];
region: string;
subregion: string;
languages: Languages;
translations: { [key: string]: Translation };
latlng: number[];
landlocked: boolean;
borders: string[];
area: number;
demonyms: Demonyms;
flag: string;
maps: Maps;
population: number;

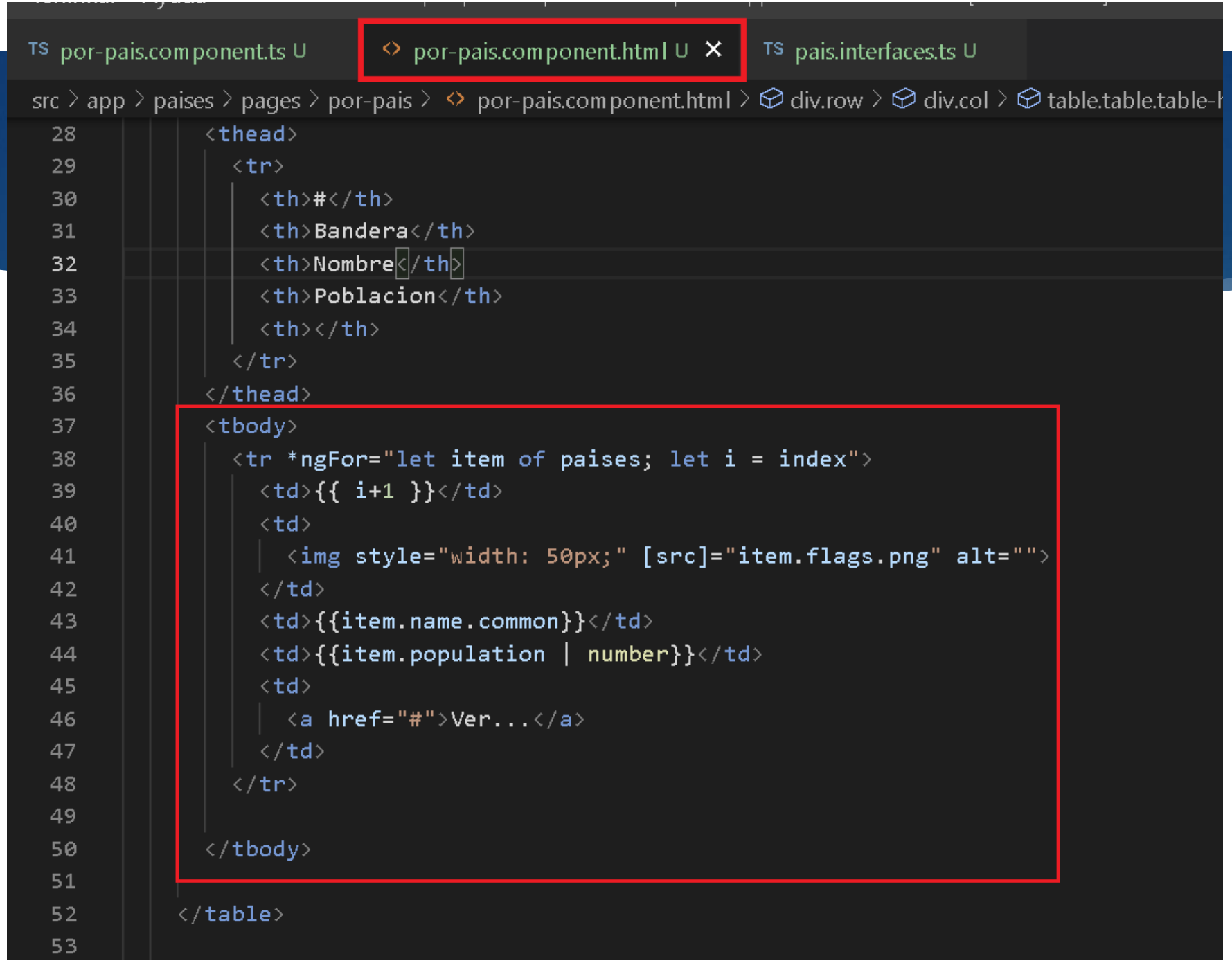
TS pais.interfaces.ts U

TS pais.service.ts U

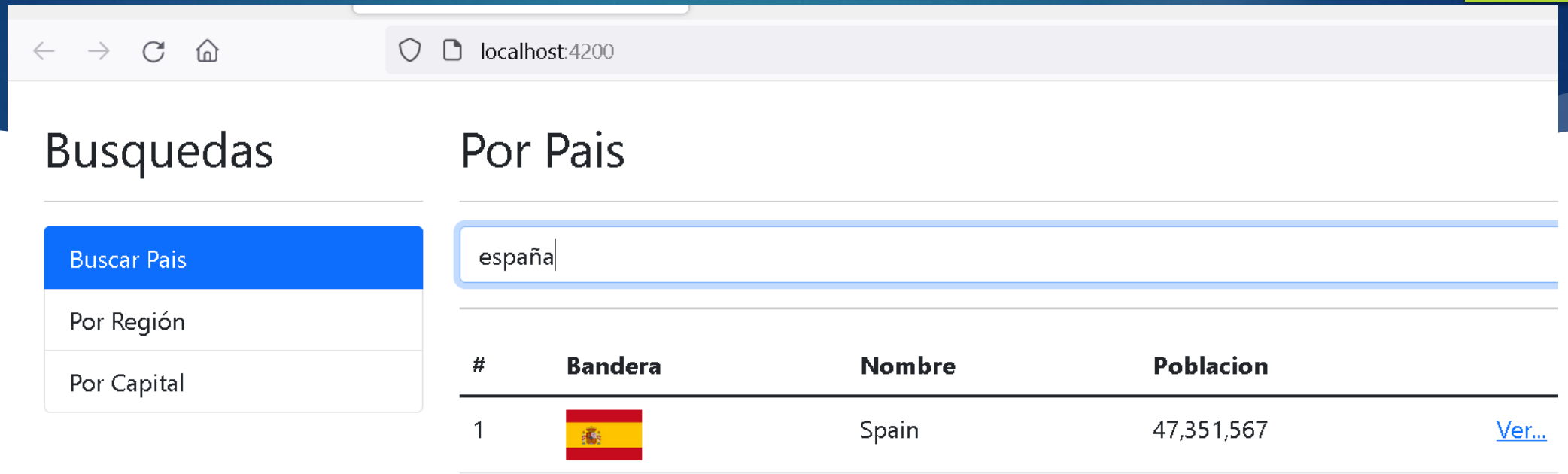
src > app > paises > services > TS pais.service.ts > ...

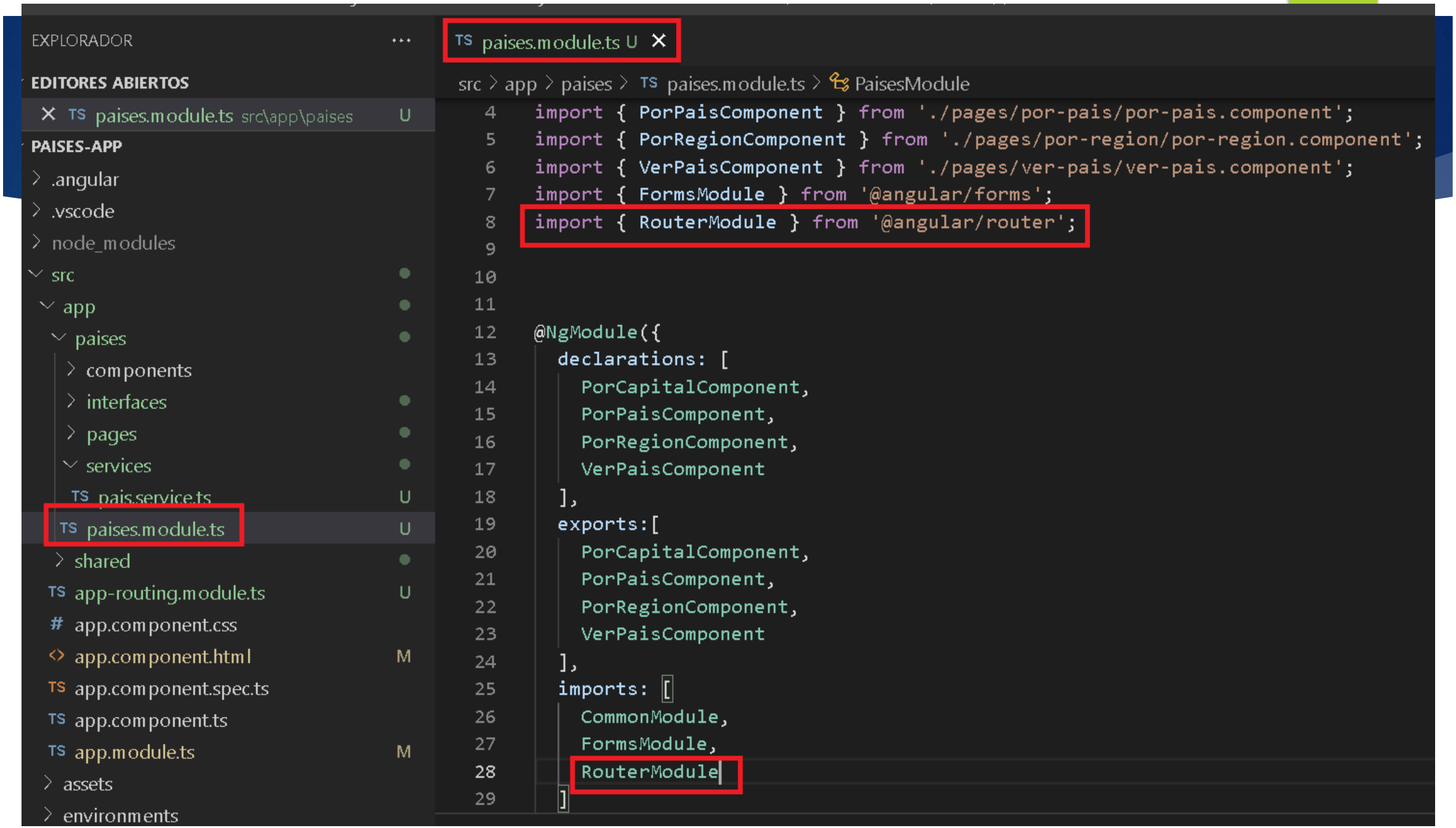
```ts
import { HttpClient } from '@angular/common/http';
import { Injectable } from '@angular/core';
import { Observable } from 'rxjs';
import { Countries } from '../interfaces/pais.interfaces';

@Injectable({
  providedIn: 'root'
})
export class PaisService {

  //url base
  private apiUrl: string = 'https://restcountries.com/v3.1';

  constructor(private http:HttpClient) { }


  buscarPais(termino:string): Observable<Countries[]>{
    const url = `${ this.apiUrl }/name/${ termino }`;
    return this.http.get<Countries[]>(url);
  }

}
```


TS por-pais.component.ts U
<> por-pais.component.html U
TS pais.interfaces.ts U
src > app > paises > pages > por-pais > TS por-pais.component.ts > PorPaisComponent >
9]
10 })
11 export class PorPaisComponent {
12
13 termino:string = "";
14 existeError:boolean = false;
15 paises: Countries[]=[];
16
17 constructor(private paiservice: PaisService) { }
18
19 buscar(){
20 this.existeError = false;
21 console.log(this.termino);
22 this.paiservice.buscarPais(this.termino)
23 .subscribe((resp) =>{
24 console.log(resp);
25 this.paises = resp;
26
27 },(err)=>{
28 this.existeError = true;
29 });
30 }
31
32


TS por-pais.component.ts U
<> por-pais.component.html U
TS pais.interfaces.ts U
src > app > paises > pages > por-pais > <> por-pais.component.html > div.row > div.col > table.table.table-
28 <thead>
29 <tr>
30 <th>#</th>
31 <th>Bandera</th>
32 <th>Nombre</th>
33 <th>Poblacion</th>
34 <th></th>
35 </tr>
36 </thead>
37 <tbody>
38 <tr *ngFor="let item of paises; let i = index">
39 <td>{{ i+1 }}</td>
40 <td>
41 <img style="width: 50px;" [src]="item.flags.png" alt="">
42 </td>
43 <td>{{item.name.common}}</td>
44 <td>{{item.population | number}}</td>
45 <td>
46 Ver...
47 </td>
48 </tr>
49
50 </tbody>
51
52 </table>
53

Probamos si todo funciona



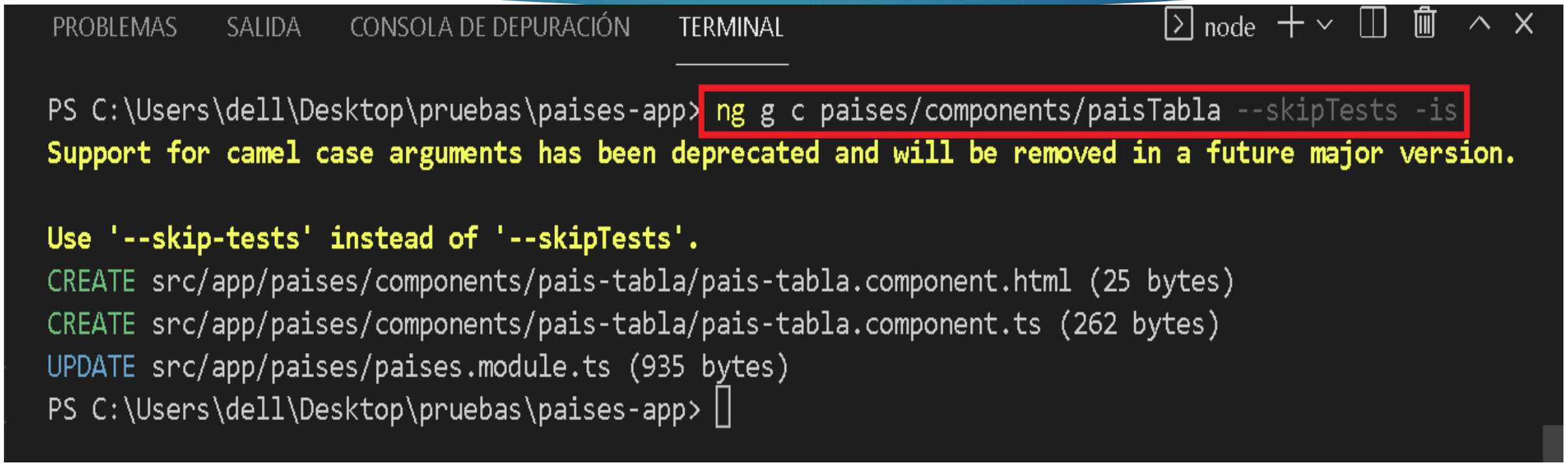

EXPLORADOR
EDITORES ABIERTOS
paises.module.ts src\app\paises U
PAISES-APP
.angular
.vscode
node_modules
src
app
paises
components
interfaces
pages
services
pais.service.ts U
paises.module.ts U
shared
app-routing.module.ts U
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
assets
environments
paises.module.ts U
src > app > paises > paises.module.ts > PaisesModule
import { PorPaisComponent } from './pages/por-pais/por-pais.component';
import { PorRegionComponent } from './pages/por-region/por-region.component';
import { VerPaisComponent } from './pages/ver-pais/ver-pais.component';
import { FormsModule } from '@angular/forms';
import { RouterModule } from '@angular/router';
@NgModule({
declarations: [
PorCapitalComponent,
PorPaisComponent,
PorRegionComponent,
VerPaisComponent
],
exports:[
PorCapitalComponent,
PorPaisComponent,
PorRegionComponent,
VerPaisComponent
],
imports: [
CommonModule,
FormsModule,
RouterModule
]

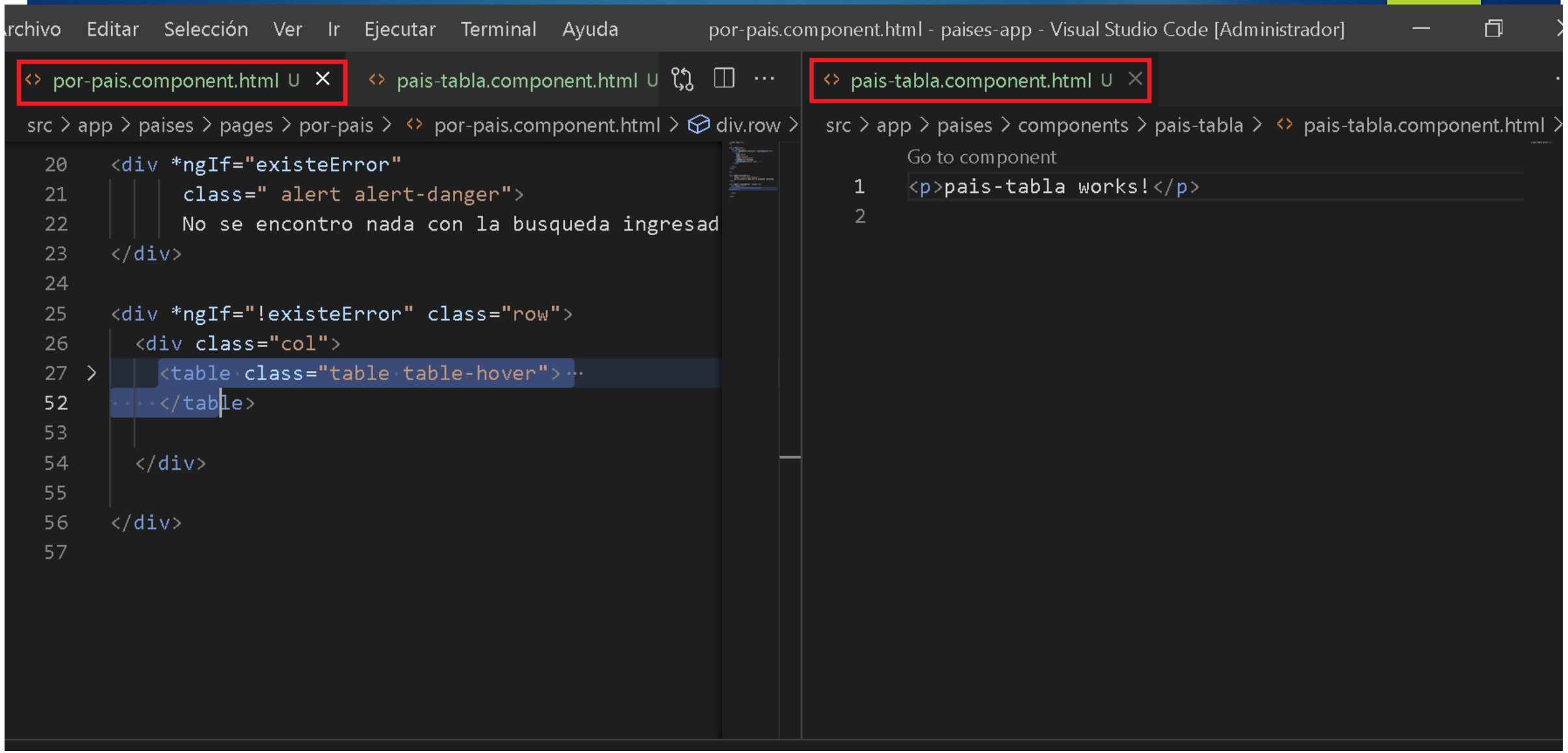
por-pais.component.html U

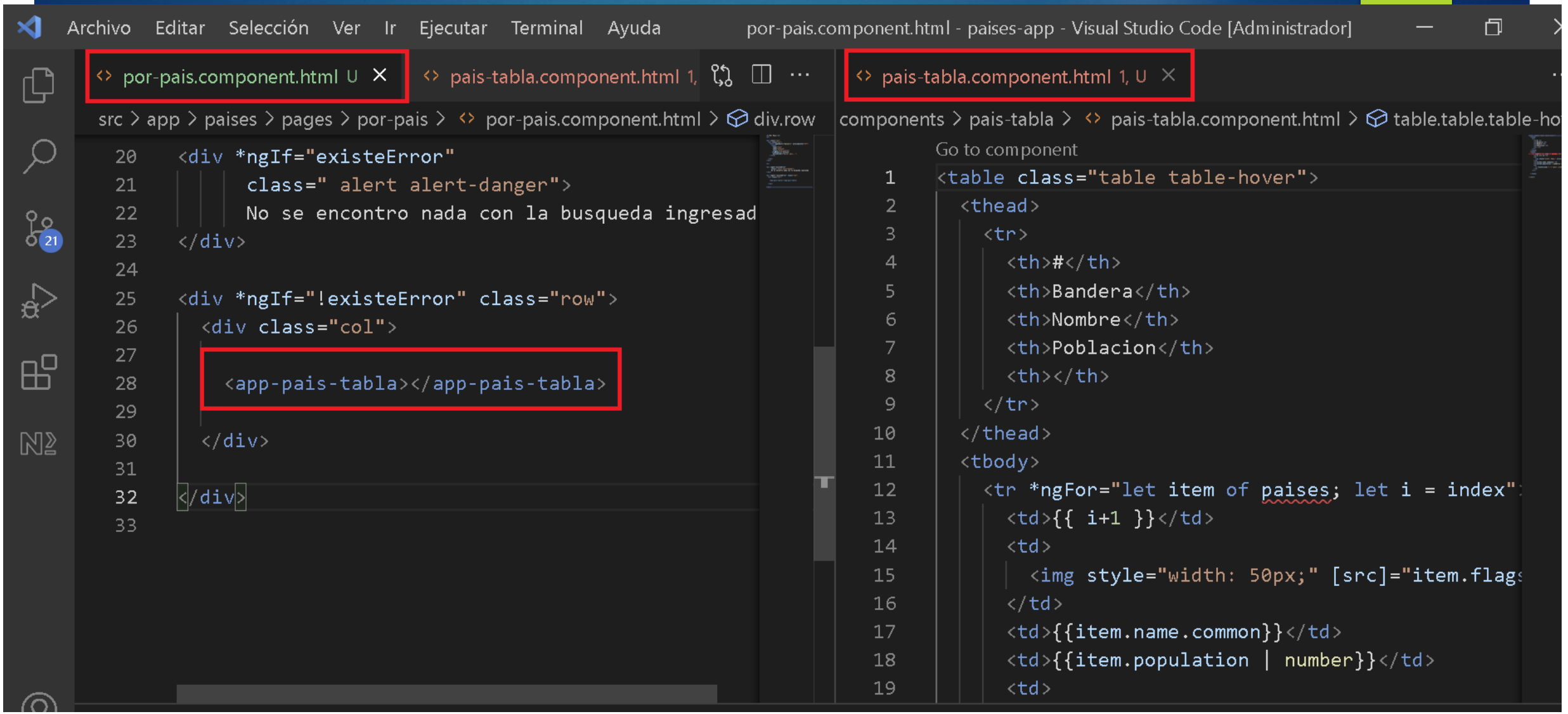
src > app > paises > pages > por-pais > por-pais.component.html > div.row > div.col > table

```
33              <th>Poblacion</th>
34              <th></th>
35            </tr>
36          </thead>
37          <tbody>
38            <tr *ngFor="let item of paises; let i = index">
39              <td>{{ i+1 }}</td>
40              <td>
41                <img style="width: 50px;" [src]="item.flags.png" alt="">
42              </td>
43              <td>{{item.name.common}}</td>
44              <td>{{item.population | number}}</td>
45              <td>
46                <a [routerLink] = "['/pais',item.cca2]">Ver...</a>
47              </td>
48            </tr>
49
50          </tbody>
51
52        </table>
```

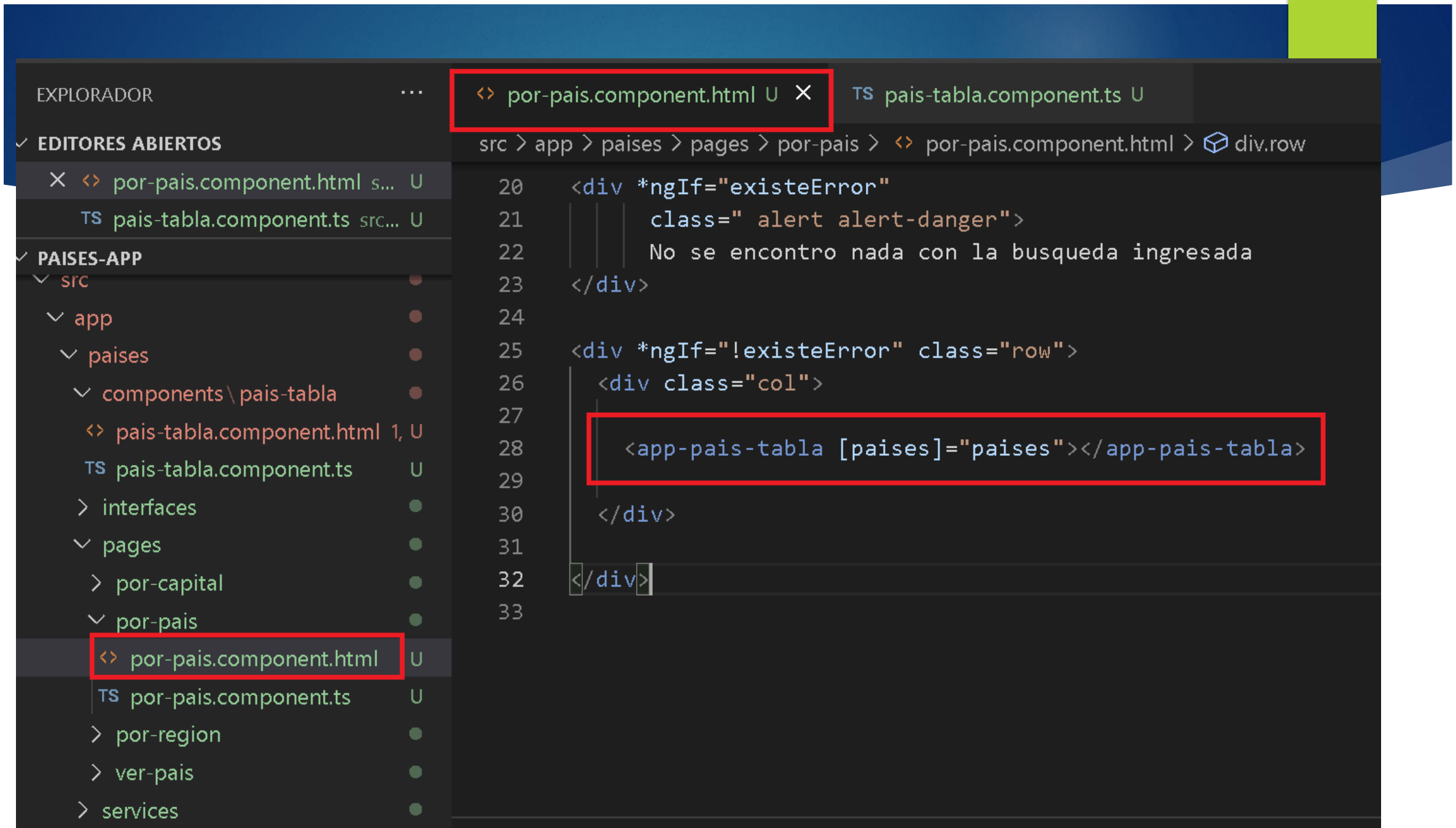
Separamos en mas componentes



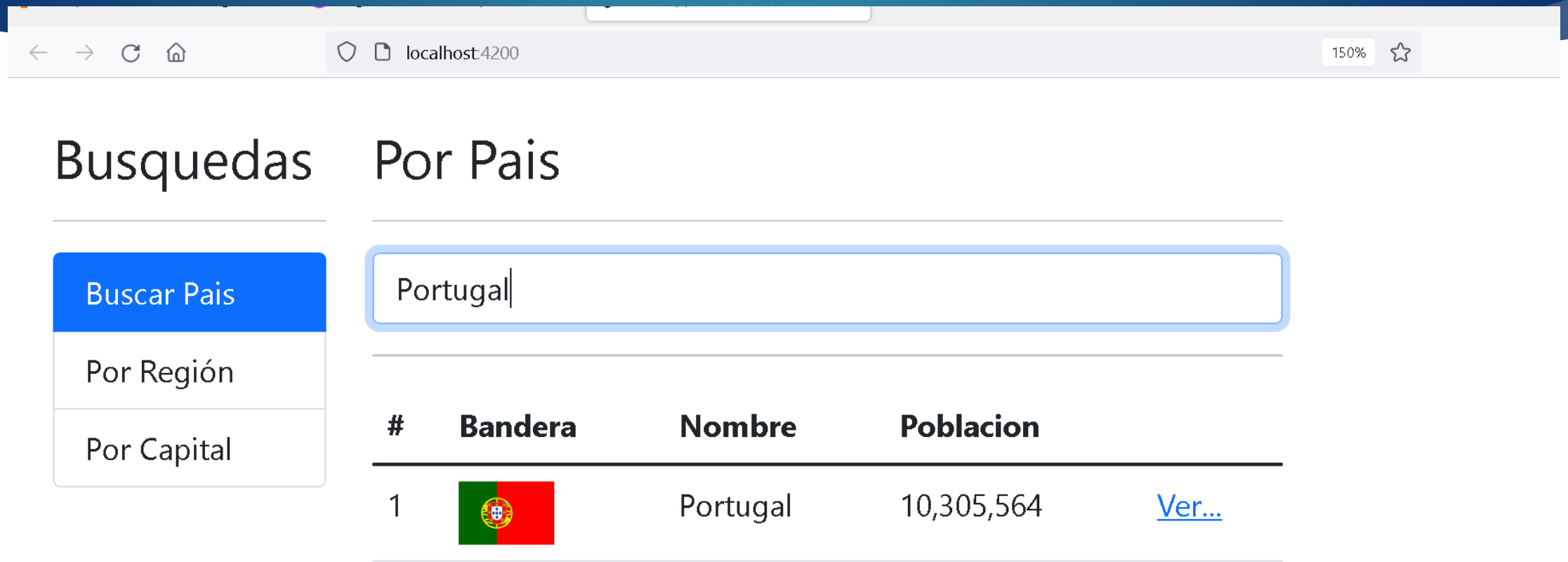

Archivo Editar Selección Ver Ir Ejecutar Terminal Ayuda
por-pais.component.html - paises-app - Visual Studio Code [Administrador]
por-pais.component.html U
pais-tabla.component.html U
src > app > paises > pages > por-pais > por-pais.component.html > div.row >
20 <div *ngIf="existeError"
21 class=" alert alert-danger">
22 No se encontro nada con la busqueda ingresad
23
24
25 <div *ngIf="!existeError" class="row">
26
27 <table class="table table-hover">
52 </table>
53
54
55
56
57
pais-tabla.component.html U
src > app > paises > components > pais-tabla > pais-tabla.component.html >
Go to component
1 pais-tabla works!
2


Archivo Editar Selección Ver Ir Ejecutar Terminal Ayuda
por-pais.component.html - paises-app - Visual Studio Code [Administrador]
por-pais.component.html U
pais-tabla.component.html 1,
src > app > paises > pages > por-pais > por-pais.component.html > div.row
20 <div *ngIf="existeError"
21 class=" alert alert-danger">
22 No se encontro nada con la busqueda ingresad
23
24
25 <div *ngIf="!existeError" class="row">
26
27
28 <app-pais-tabla></app-pais-tabla>
29
30
31
32
33
pais-tabla.component.html 1, U
components > pais-tabla > pais-tabla.component.html > table.table.table-ho
Go to component
1 <table class="table table-hover">
2 <thead>
3 <tr>
4 <th>#</th>
5 <th>Bandera</th>
6 <th>Nombre</th>
7 <th>Poblacion</th>
8 <th></th>
9 </tr>
10 </thead>
11 <tbody>
12 <tr *ngFor="let item of paises; let i = index"
13 <td>{{ i+1 }}</td>
14 <td>
15 <img style="width: 50px;" [src]="item.flags
16 </td>
17 <td>{{item.name.common}}</td>
18 <td>{{item.population | number}}</td>
19 <td>

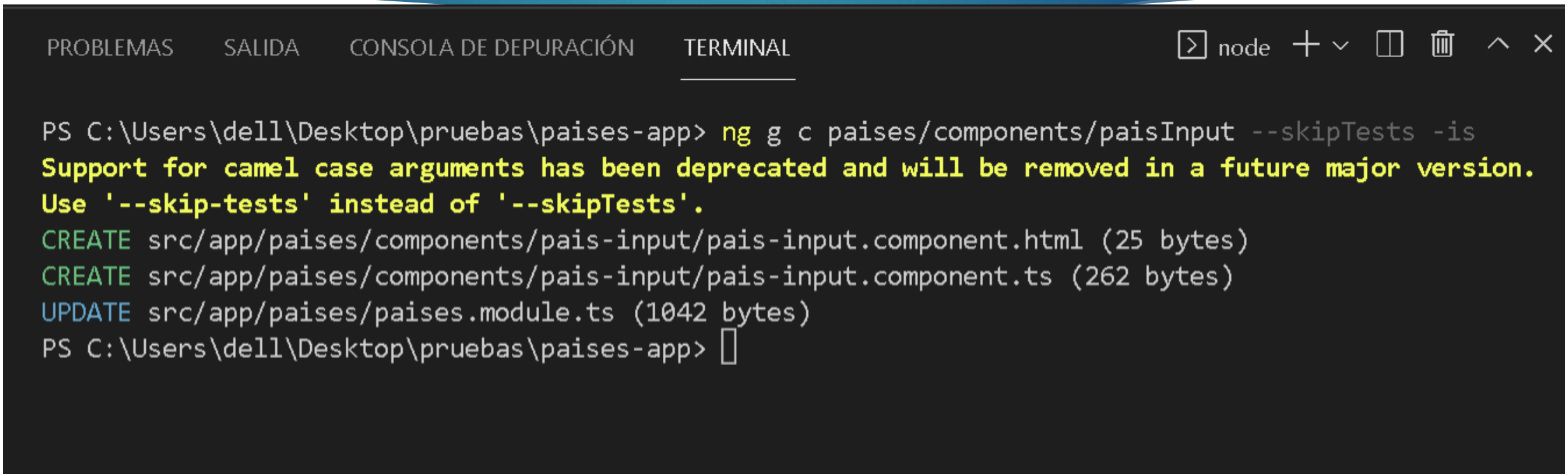

EXPLORADOR
EDITORES ABIERTOS
por-pais.component.html s... U
pais-tabla.component.ts src... U
PAISES-APP
src
app
paises
components \ pais-tabla
pais-tabla.component.html 1, U
pais-tabla.component.ts U
interfaces
pages
por-capital
por-pais
por-pais.component.html U
por-pais.component.ts U
por-region
ver-pais
services
por-pais.component.html U
pais-tabla.component.ts U
src > app > paises > components > pais-tabla > pais-tabla.component.ts > PaisTablaComponent
1 import { Component, Input, OnInit } from '@angular/core';
2 import { Countries } from '../../interfaces/pais.interfaces';
3
4 @Component({
5 selector: 'app-pais-tabla',
6 templateUrl: './pais-tabla.component.html',
7 styles: [
8]
9 })
10 export class PaisTablaComponent implements OnInit {
11
12 @Input() paises: Countries[]=[];
13
14 constructor() { }
15
16 ngOnInit(): void {
17 }
18
19 }
20


EXPLORADOR
EDITORES ABIERTOS
por-pais.component.html s... U
pais-tabla.component.ts src... U
PAISES-APP
src
app
paises
components \ pais-tabla
pais-tabla.component.html 1, U
pais-tabla.component.ts U
interfaces
pages
por-capital
por-pais
por-pais.component.html U
por-pais.component.ts U
por-region
ver-pais
services
por-pais.component.html U
pais-tabla.component.ts U
src > app > paises > pages > por-pais > por-pais.component.html > div.row
20 <div *ngIf="existeError"
21 class=" alert alert-danger">
22 No se encontro nada con la busqueda ingresada
23
24
25 <div *ngIf="!existeError" class="row">
26
27
28 <app-pais-tabla [paises]="paises"></app-pais-tabla>
29
30
31
32
33

Una vez pasado a un componente la tabla para reutilizarlo probamos que funcione todo



Reutilizamos el input



por-pais.component.html U

pais-input.component.html 3, U

por-pais > por-pais.component.html > div.row > div.col > app-pais-input

Go to component

```
1  <h2>Por Pais</h2>
2  <hr>
3
4  <div class="row">
5    <div class="col">
6
7      <app-pais-input></app-pais-input>
8
9    </div>
10 </div>
11
12 <hr>
13
14 <div *ngIf="existeError"
15       class=" alert alert-danger">
16       No se encontro nada con la busqueda ingresad
17 </div>
18
19 <div *ngIf="!existeError" class="row">
```

pais-input.component.html 3, U

src > app > paises > components > pais-input > pais-input.component.html > ...

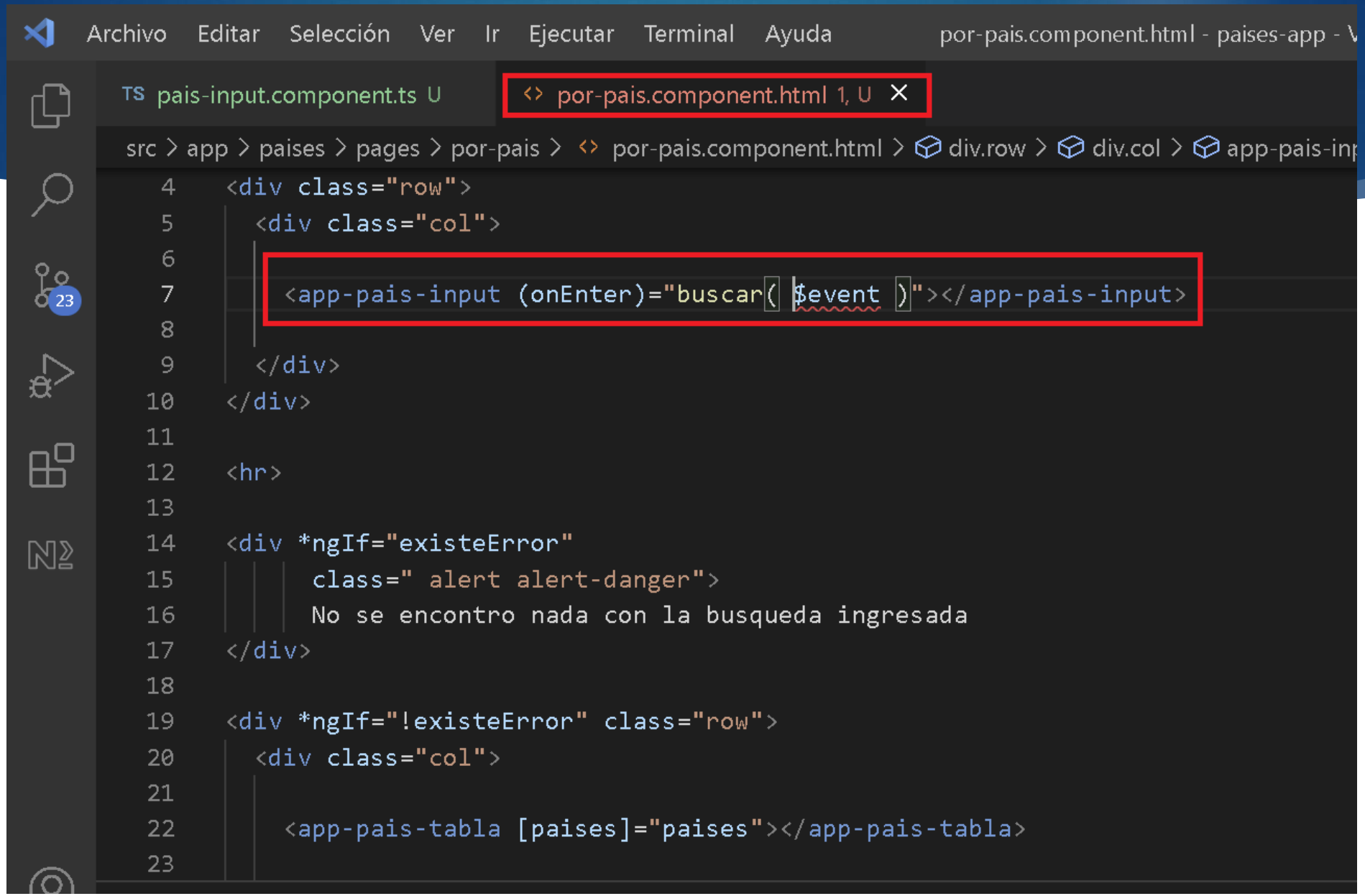
Go to component

```
1  <form (ngSubmit)="buscar()" autocomplete="off">
2    <input
3      type="text"
4      name="termino"
5      class="form-control"
6     [(ngModel)]="termino"
7      placeholder="Buscar pais...">
8  </form>
9
```

pais-input.component.ts U | por-pais.component.html U | por-pais.component.ts U

src > app > paises > components > pais-input > pais-input.component.ts > PaisInputComponent > buscar

```ts
import { Component, Output,EventEmitter } from '@angular/core';


@Component({
  selector: 'app-pais-input',
  templateUrl: './pais-input.component.html',
  styles: [
  ]
})
export class PaisInputComponent {

  @Output() onEnter:EventEmitter<string> = new EventEmitter()

  termino:string='';

  buscar(){
   this.onEnter.emit(this.termino);
  }


```


Archivo Editar Selección Ver Ir Ejecutar Terminal Ayuda
por-pais.component.html - paises-app
pais-input.component.ts U
por-pais.component.html 1, U
src > app > paises > pages > por-pais > por-pais.component.html > div.row > div.col > app-pais-inp
4
5
6
7 <app-pais-input (onEnter)="buscar($event)"></app-pais-input>
8
9
10
11
12 <hr>
13
14 <div *ngIf="existeError"
15 class=" alert alert-danger">
16 No se encontro nada con la busqueda ingresada
17
18
19 <div *ngIf="!existeError" class="row">
20
21
22 <app-pais-tabla [paises]="paises"></app-pais-tabla>
23

TS pais-input.component.ts U | <> por-pais.component.html U | TS por-pais.component.ts U

src > app > paises > pages > por-pais > TS por-pais.component.ts > PorPaisComponent > buscar

```
17    constructor( private paiservice: PaisService) { }
18
19    buscar(termino: string){
20
21      this.termino = termino;
22
23      this.existeError = false;
24      console.log(this.termino);
25      this.paiservice.buscarPais(this.termino)
26      .subscribe((resp) =>{
27        console.log(resp);
28        this.paises = resp;
29
30      },(err)=>{
31        this.existeError = true;
32      });
33    }
34
35
36  }
```

localhost:4200

150%

Busquedas

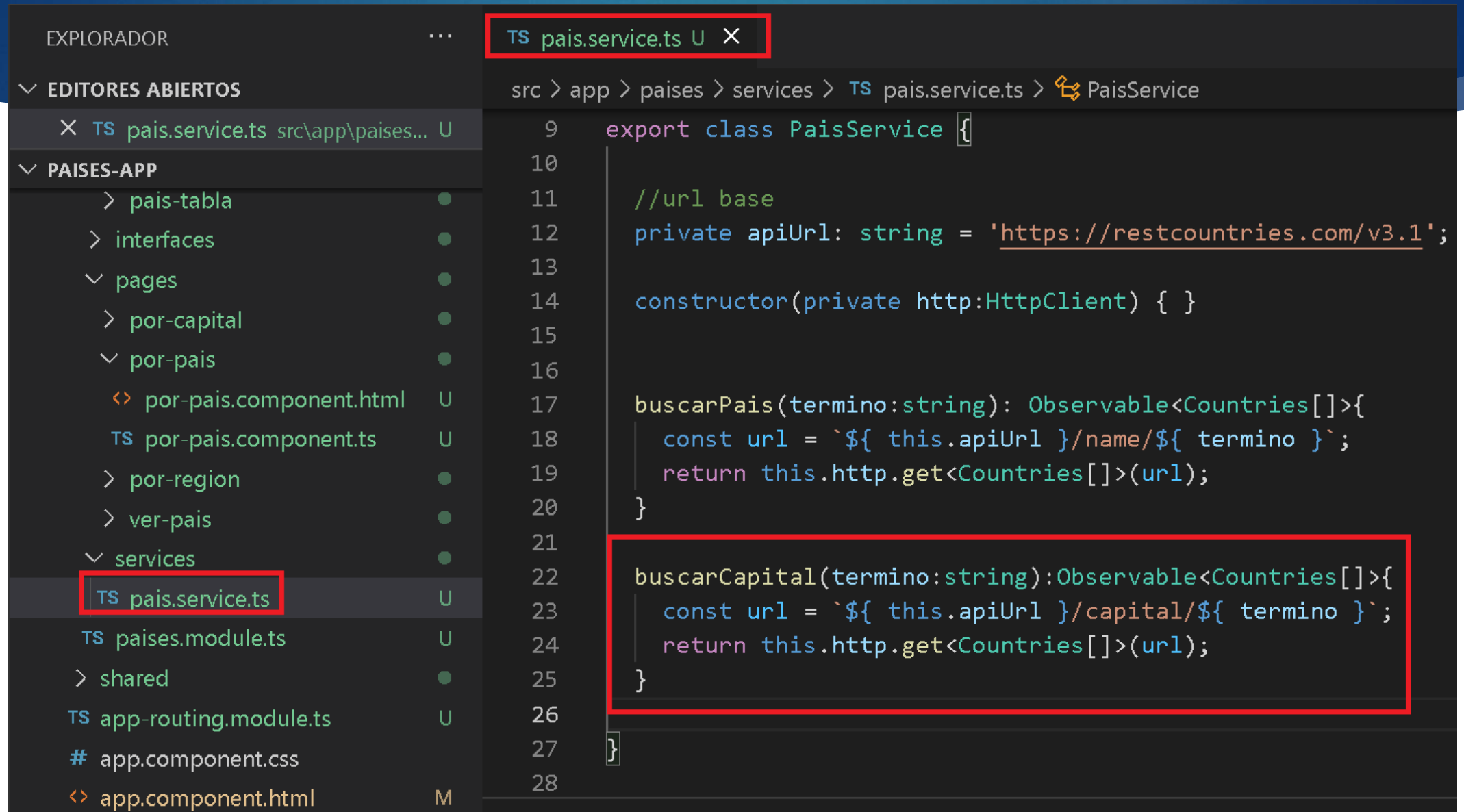
Por Pais

- Buscar Pais
- Por Región
- Por Capital

Germany

#	Bandera	Nombre	Poblacion	
1		Germany	83,240,525	Ver...

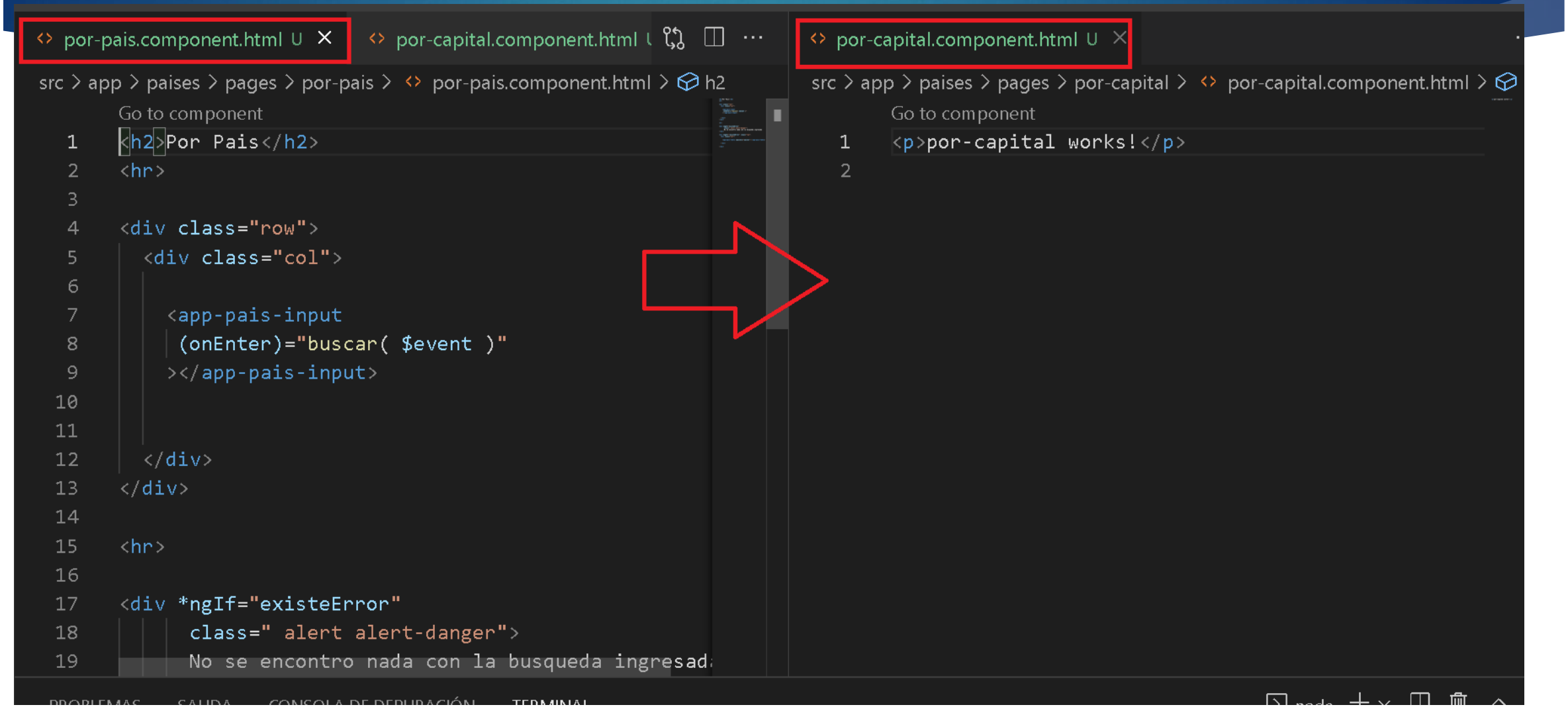
Creamos un nuevo servicio para capital

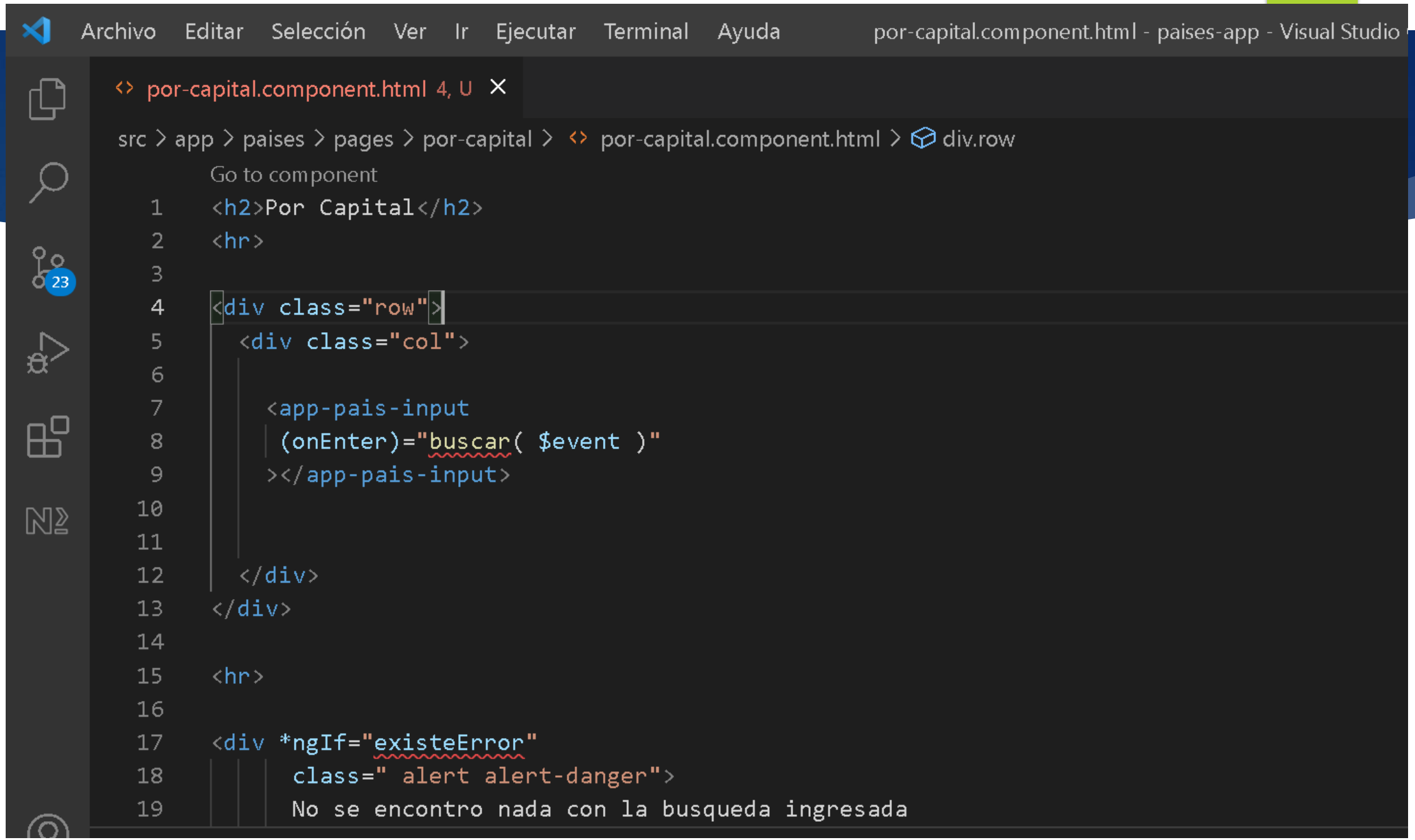


Ejercicio

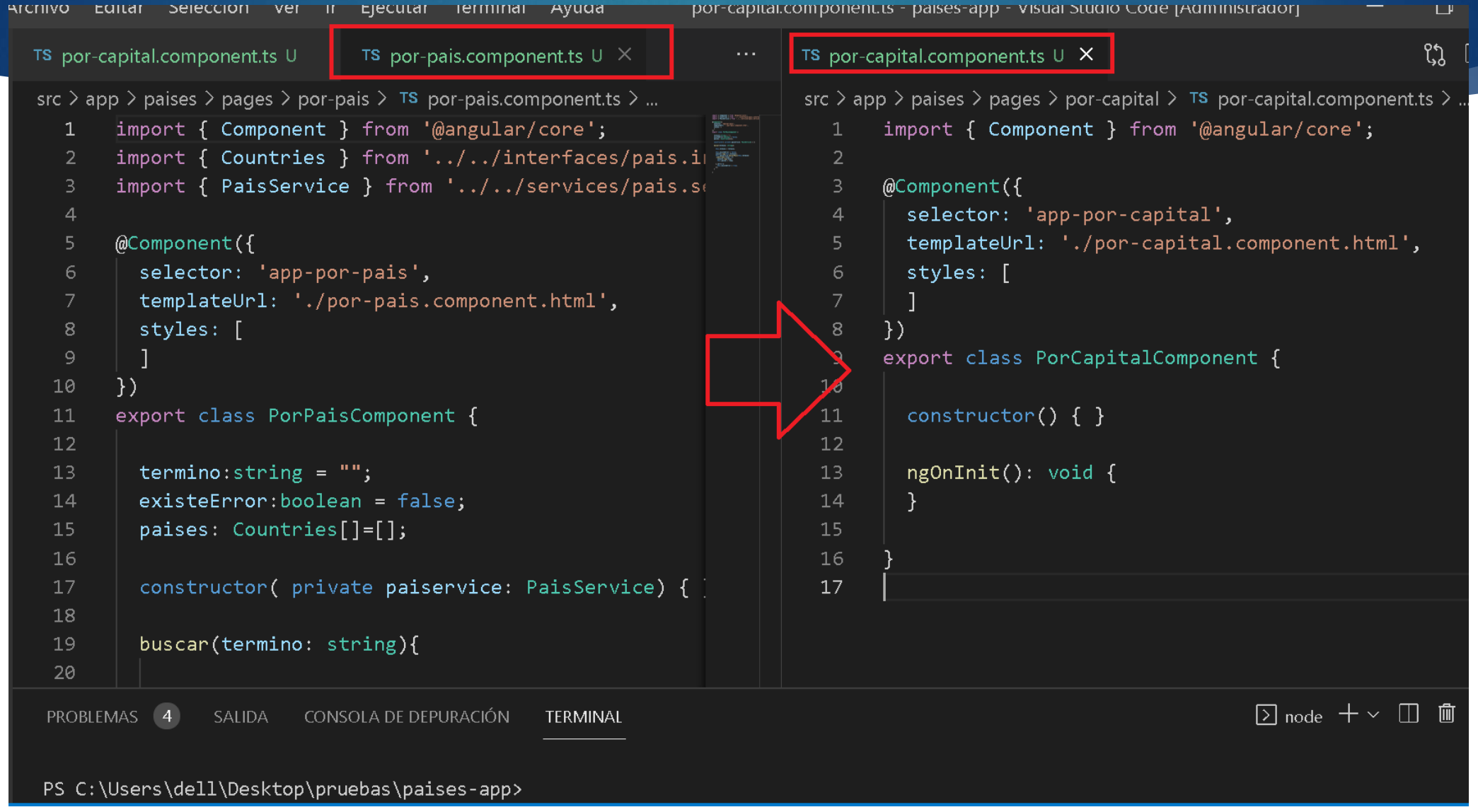
- Crear la vista por capital reutilizando los componentes de tabla e input

Copiamos la misma estructura que tenemos en por países

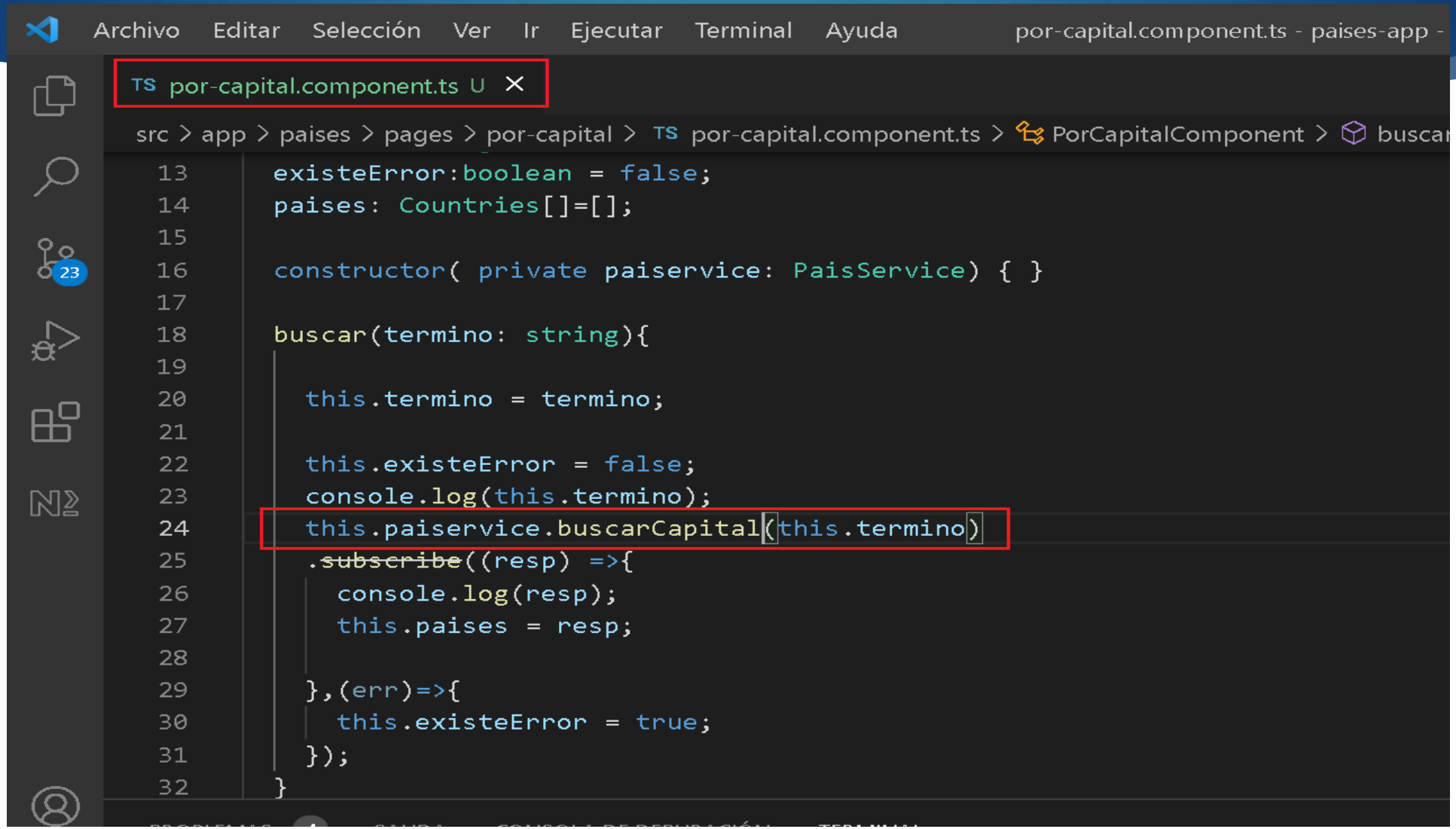



Archivo Editar Selección Ver Ir Ejecutar Terminal Ayuda
por-capital.component.html - paises-app - Visual Studio
por-capital.component.html 4, U
src > app > paises > pages > por-capital > por-capital.component.html > div.row
Go to component
1 <h2>Por Capital</h2>
2 <hr>
3
4
5
6
7 <app-pais-input
8 (onEnter)="buscar($event)"
9 ></app-pais-input>
10
11
12
13
14
15 <hr>
16
17 <div *ngIf="existeError"
18 class=" alert alert-danger">
19 No se encontro nada con la busqueda ingresada

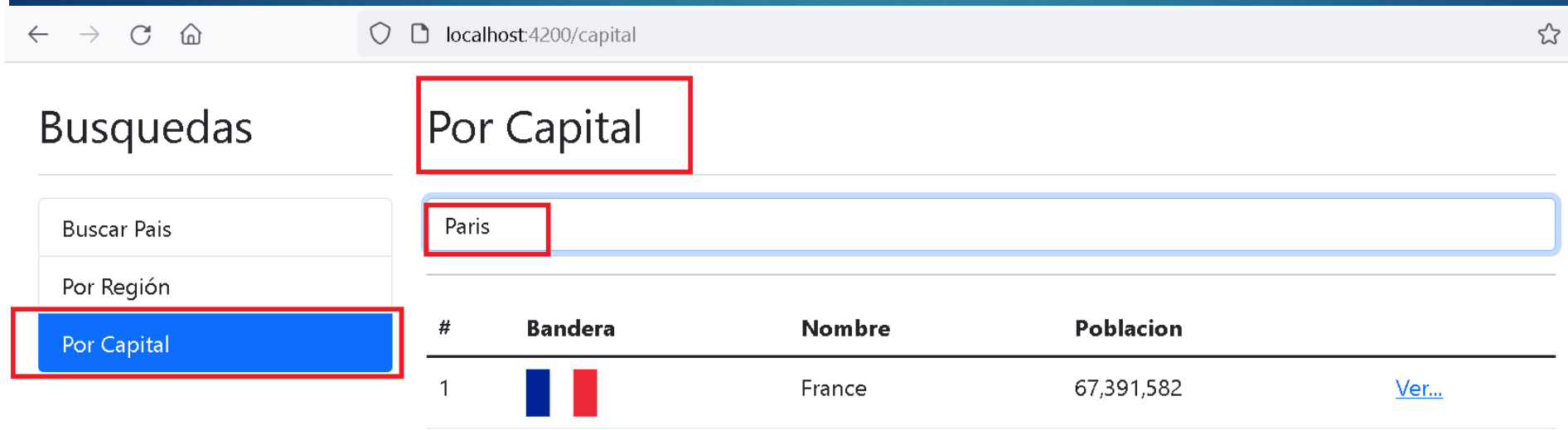
También copiamos toda la estructura del ts país a capital



Lo único que nos toca cambiar es el método del servicio a buscarCapital



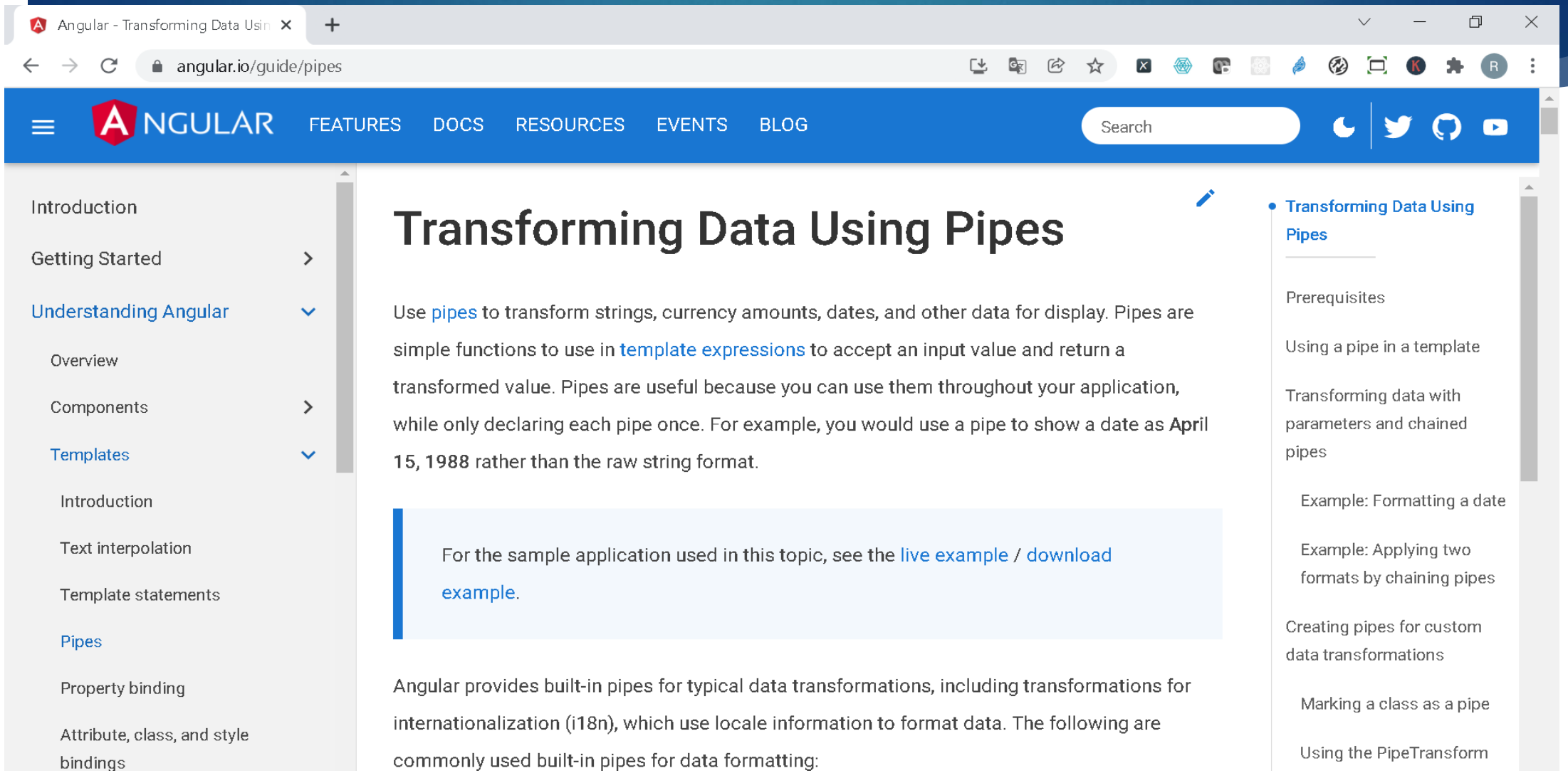
Con esto ya debería de funcionar



Pipes

- Los *pipes* son una herramienta de Angular que nos permite **transformar** visualmente la información, por ejemplo, cambiar un texto a mayúsculas o minúsculas, o darle formato de fecha y hora.

Guía Oficial



Creamos un nuevo proyecto o reutilizamos alguno

- Creamos un componente para ejemplificar los pipes

uppercase y lowercase

- Se utiliza para pasar todo el parámetro a mayúscula con upepercase y minúscula con lowercase

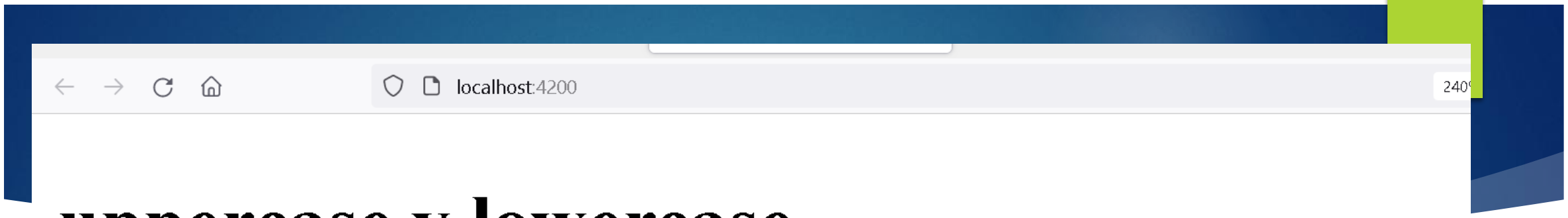
uppercase y lowercase

pipes.component.ts U

```ts
import { Component } from '@angular/core';

@Component({
  selector: 'app-pipes',
  templateUrl: './pipes.component.html',
  styles: [
  ]
})
export class PipesComponent {
  name:string = 'angular';

  name2:string= 'TYPESCRIPT';

}
```

pipes.component.html U

```html
<h2>uppercase y lowercase</h2>
<p>{{name | uppercase}}</p>
<p>{{name2 | lowercase}}</p>
```



uppercase y lowercase

ANGULAR

typescript

slice

- El *slice* es un *pipe* que requiere mínimo un parámetro.
- El parámetro que agreguemos después de los dos puntos (un número) será la cantidad de elementos que **eliminará** de nuestra variable, empezando por el principio

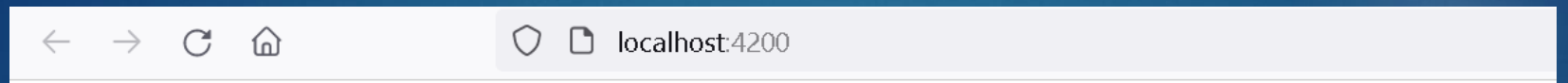
Slice

pipes.component.ts U

```ts
import { Component } from '@angular/core';

@Component({
  selector: 'app-pipes',
  templateUrl: './pipes.component.html',
  styles: [
  ]
})
export class PipesComponent {
  name:string = 'angular';
  name2:string= 'TYPESCRIPT';


}

```

pipes.component.html U

```html
<h2>uppercase y lowercase</h2>
<p>{{name | uppercase}}</p>
<p>{{name2 | lowercase}}</p>


<h2>slice</h2>
<p>{{name | slice:2}}</p>
<p>{{name2 | slice:0:2}}</p>

```



uppercase y lowercase

ANGULAR

typescript

slice

gular

TY

decimal

- Podemos utilizar este *pipe* para trabajar con números y decimales

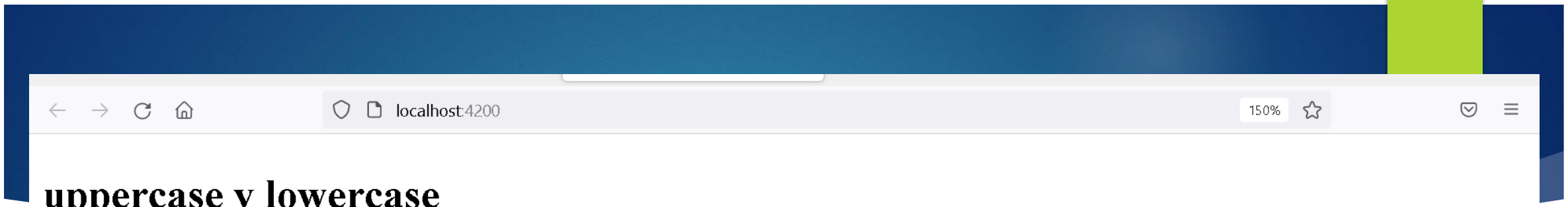
decimal

pipes.component.ts U

```
  ]
})
export class PipesComponent {
  name:string = 'angular';
  name2:string= 'TYPESCRIPT';

  //sintaxis {{valorpi | number:N1.N2-N3}}
  //    N1 = 1  cantidad de números enteros
  //N2 = 0 cantidad mínima de números decimales
  //N3 = 3 cantidad máxima de números decimales
  valorpi:number=3.141592;


}

```

pipes.component.html U

```
<h2>uppercase y lowercase</h2>
<p>{{name | uppercase}}</p>
<p>{{name2 | lowercase}}</p>


<h2>slice</h2>
<p>{{name | slice:2}}</p>
<p>{{name2 | slice:0:2}}</p>

<h2>decimal</h2>
<p>{{valorpi | number:'1.0-2' }}</p>

```



uppercase y lowercase

ANGULAR

typescript

slice

gular

TY

decimal

3.14

Percent

- Utilizamos este *pipe* para mostrar números en forma de porcentaje

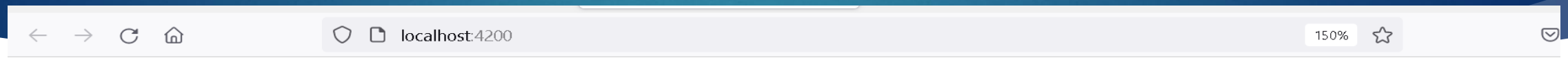
Percent

pipes.component.ts U

```ts
    name2:string= 'TYPESCRIPT';

    //sintaxis {{valorpi | number:N1.N2-N3}}
    //    N1 = 1  cantidad de números enteros
    //N2 = 0 cantidad mínima de números decimales
    //N3 = 3 cantidad máxima de números decimales
    valorpi:number=3.141592;

   // {{ myNum | percent: '(string con 3 valores numéricos)
   // N1.N2-N3' }}
   //N1 = 1  --> cantidad de números enteros (valor por defecto)
   //N2 = 0 --> cantidad mínima de números decimales (valor por defecto)
   //N3 = 0 --> cantidad máxima de números decimales (valor por defecto)
    myNum = 0.589;
```

pipes.component.html U

```html
    <h2>decimal</h2>
    <p>{{valorpi | number:'1.0-2' }}</p>


    <h2>percent</h2>
    <p>{{myNum | percent }}</p>
    <p>{{myNum | percent:'1.0-2' }}</p>
```



ANGULAR

typescript

slice

gular

TY

decimal

3.14

percent

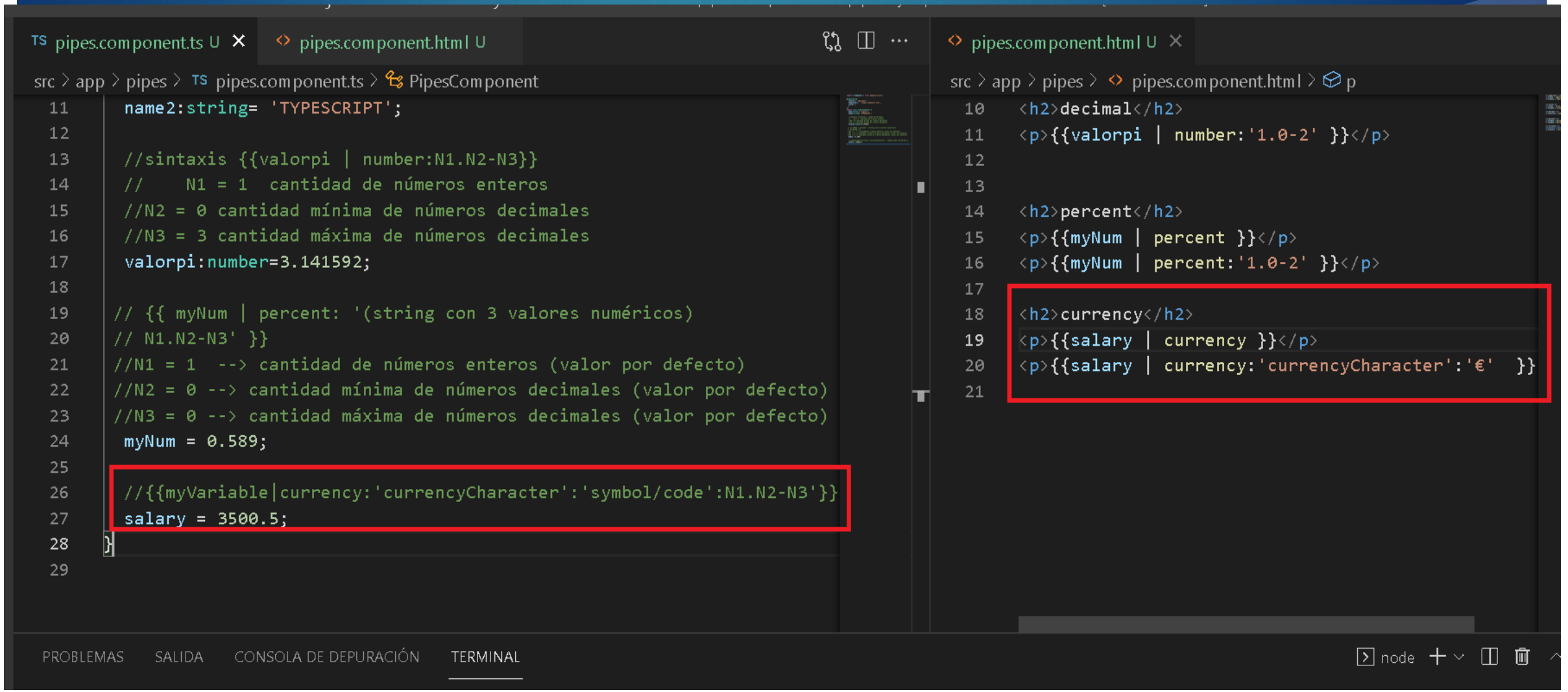
59%

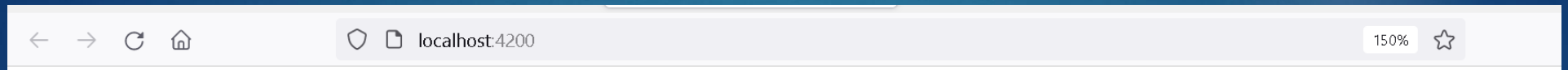
58.9%

currency

- Este *pipe* se utiliza cuando queremos mostrar números acompañados de una **divisa** (euros, dólares, yenes, etc)

currency


pipes.component.ts U
pipes.component.html U
src > app > pipes > pipes.component.ts > PipesComponent
name2:string= 'TYPESCRIPT';
//sintaxis {{valorpi | number:N1.N2-N3}}
//   N1 = 1 cantidad de números enteros
//N2 = 0 cantidad mínima de números decimales
//N3 = 3 cantidad máxima de números decimales
valorpi:number=3.141592;
// {{ myNum | percent: '(string con 3 valores numéricos)
// N1.N2-N3' }}
//N1 = 1 --> cantidad de números enteros (valor por defecto)
//N2 = 0 --> cantidad mínima de números decimales (valor por defecto)
//N3 = 0 --> cantidad máxima de números decimales (valor por defecto)
myNum = 0.589;
//{{myVariable|currency:'currencyCharacter':'symbol/code':N1.N2-N3'}}
salary = 3500.5;
}
pipes.component.html U
src > app > pipes > pipes.component.html > p
<h2>decimal</h2>
{{valorpi | number:'1.0-2' }}
<h2>percent</h2>
{{myNum | percent }}
{{myNum | percent:'1.0-2' }}
<h2>currency</h2>
{{salary | currency }}
{{salary | currency:'currencyCharacter':'€' }}
PROBLEMAS
SALIDA
CONSOLA DE DEPURACIÓN
TERMINAL
node



gular

TY

decimal

3.14

percent

59%

58.9%

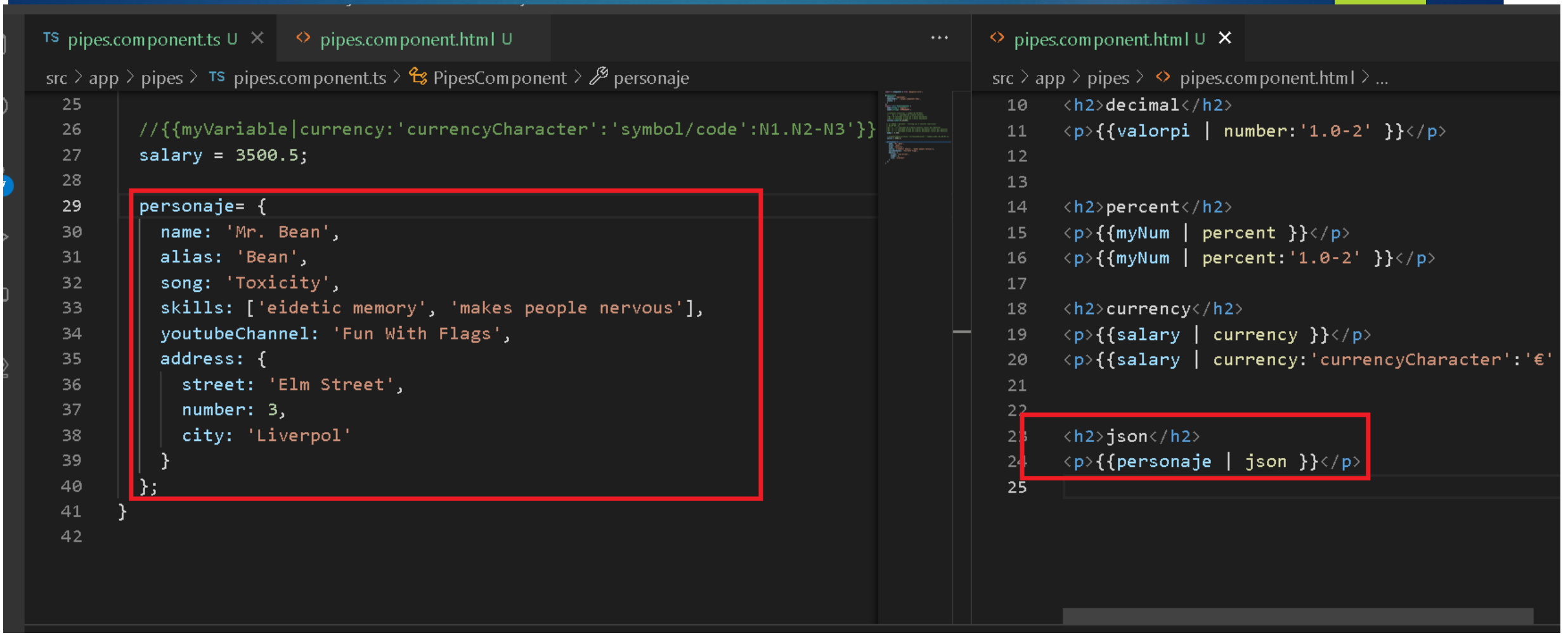
currency

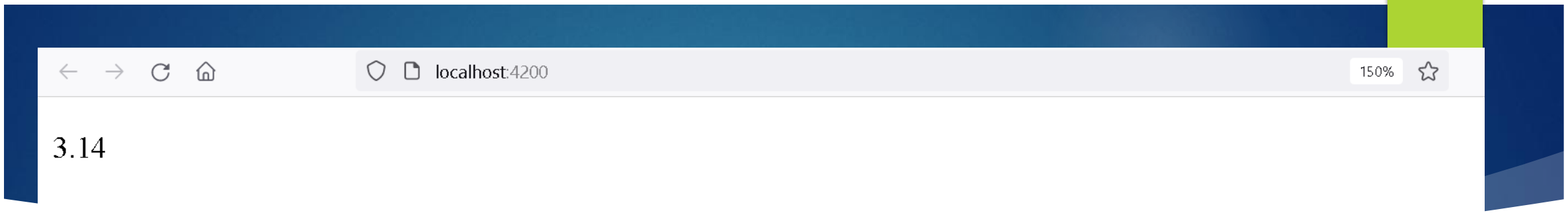
$3,500.50

€3,500.50

json

- El *pipe JSON* es muy útil combinado con la etiqueta **<pre>**, cuando queremos mostrar código en formato JSON. Es especialmente útil cuando queremos mostrar objetos en el navegador


pipes.component.ts U
pipes.component.html U
src > app > pipes > pipes.component.ts > PipesComponent > personaje
//{{myVariable|currency:'currencyCharacter':'symbol/code':N1.N2-N3'}}
salary = 3500.5;
personaje= {
name: 'Mr. Bean',
alias: 'Bean',
song: 'Toxicity',
skills: ['eidetic memory', 'makes people nervous'],
youtubeChannel: 'Fun With Flags',
address: {
street: 'Elm Street',
number: 3,
city: 'Liverpol'
}
};
}
pipes.component.html U
src > app > pipes > pipes.component.html > ...
<h2>decimal</h2>
{{valorpi | number:'1.0-2' }}
<h2>percent</h2>
{{myNum | percent }}
{{myNum | percent:'1.0-2' }}
<h2>currency</h2>
{{salary | currency }}
{{salary | currency:'currencyCharacter':'€'
<h2>json</h2>
{{personaje | json }}



3.14

percent

59%

58.9%

currency

$3,500.50

€3,500.50

json

{ "name": "Mr. Bean", "alias": "Bean", "song": "Toxicity", "skills": ["eidetic memory", "makes people nervous"], "youtubeChannel": "Fun With Flags", "address": { "street": "Elm Street", "number": 3, "city": "Liverpol" } }

async

- Este *pipe* nos permite mostrar información proveniente de código basado en ***promises***, entre otras cosas

pipes.component.ts U

pipes.component.html U

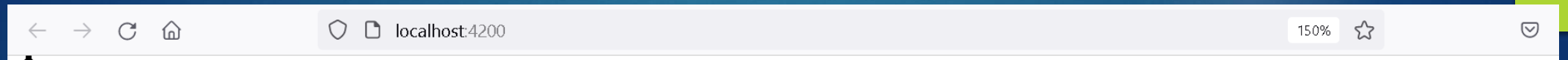
pipes > pipes.component.ts > PipesComponent > promiseValue > <function> > setTimeout() callback

```ts
    alias: 'Bean',
    song: 'Toxicity',
    skills: ['eidetic memory', 'makes people nervous'],
    youtubeChannel: 'Fun With Flags',
    address: {
      street: 'Elm Street',
      number: 3,
      city: 'Liverpol'
    }
  };

  promiseValue = new Promise((resolve, reject) => {
    setTimeout(() => {
      resolve('Esto funciono');
    }, 3000);
  });
}
```

pipes.component.html U

src > app > pipes > pipes.component.html > pre

```html
  <h2>decimal</h2>
  <p>{{valorpi | number:'1.0-2' }}</p>


  <h2>percent</h2>
  <p>{{myNum | percent }}</p>
  <p>{{myNum | percent:'1.0-2' }}</p>

  <h2>currency</h2>
  <p>{{salary | currency }}</p>
  <p>{{salary | currency:'currencyCharacter':'€'  }}</p>


  <h2>json</h2>
  <p>{{personaje | json }}</p>

  <h2>async</h2>
  <pre>{{promiseValue | async }}</pre>
```



59%

58.9%

currency

$3,500.50

€3,500.50

json

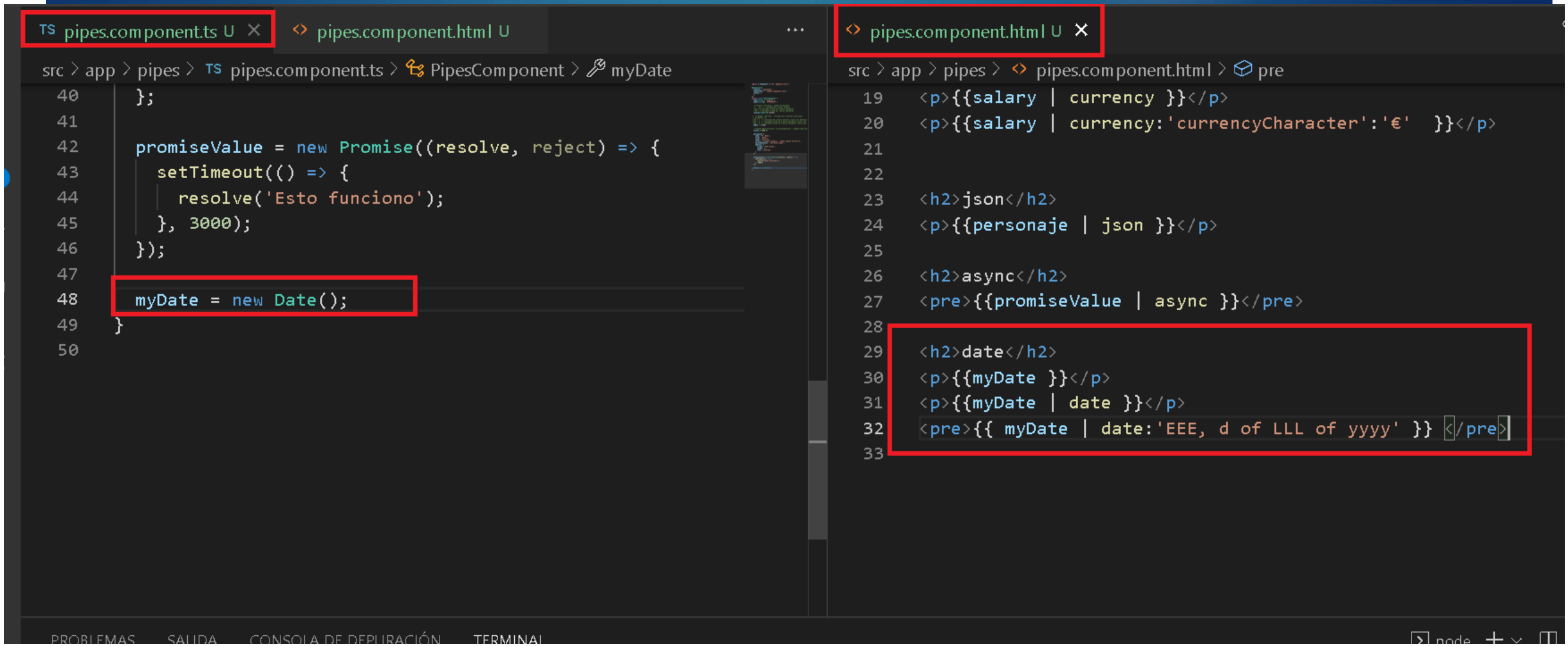
{ "name": "Mr. Bean", "alias": "Bean", "song": "Toxicity", "skills": ["eidetic memory", "makes people nervous"], "youtubeChannel": "Fun With Flags", "address": { "street": "Elm Street", "number": 3, "city": "Liverpol" } }

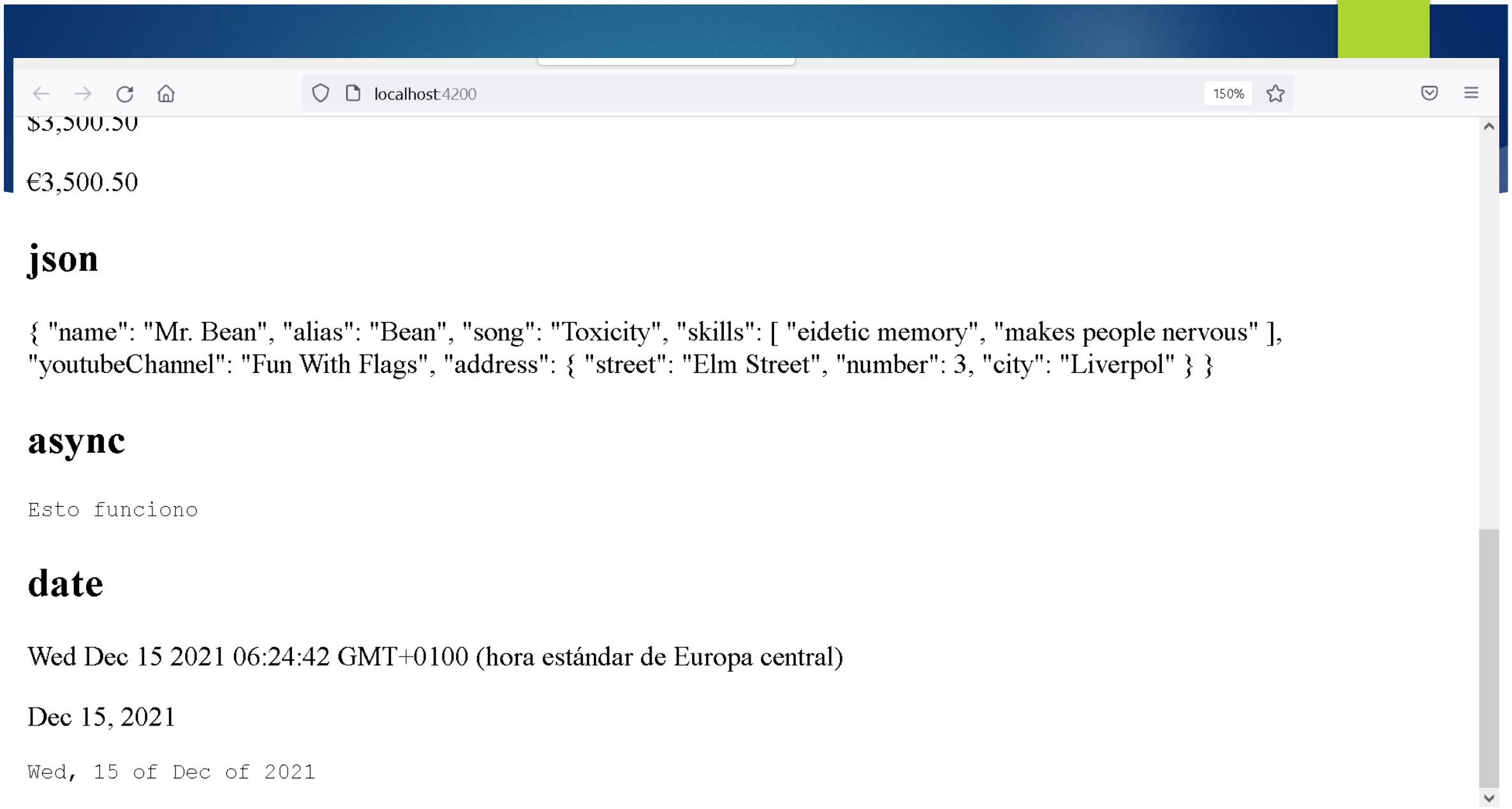
async

Esto funciono

date

- Este *pipe* nos permite mostrar fechas de manera más legible, admitiendo múltiples formatos.


pipes.component.ts U
pipes.component.html U
src > app > pipes > pipes.component.ts > PipesComponent > myDate
40 };
41
42 promiseValue = new Promise((resolve, reject) => {
43 setTimeout(() => {
44 resolve('Esto funciono');
45 }, 3000);
46 });
47
48 myDate = new Date();
49 }
50
pipes.component.html U
src > app > pipes > pipes.component.html > pre
19 {{salary | currency }}
20 {{salary | currency:'currencyCharacter':'€' }}
21
22
23 <h2>json</h2>
24 {{personaje | json }}
25
26 <h2>async</h2>
27 <pre>{{promiseValue | async }}</pre>
28
29 <h2>date</h2>
30 {{myDate }}
31 {{myDate | date }}
32 <pre>{{ myDate | date:'EEE, d of LLL of yyyy' }} </pre>
33
PROBLEMAS
SALIDA
CONSOLA DE DEPURACIÓN
TERMINAL
node


localhost:4200
150%
$3,500.50
€3,500.50
json
{ "name": "Mr. Bean", "alias": "Bean", "song": "Toxicity", "skills": ["eidetic memory", "makes people nervous"], "youtubeChannel": "Fun With Flags", "address": { "street": "Elm Street", "number": 3, "city": "Liverpol" } }
async
Esto funciono
date
Wed Dec 15 2021 06:24:42 GMT+0100 (hora estándar de Europa central)
Dec 15, 2021
Wed, 15 of Dec of 2021