Priprema za 2 klk Angular SSA

Primer 1. Kolokvijuma – Frontend (Angular 13)

Potrebno je kreirati Angular aplikaciju za prikaz podataka dobijenih sa sledećeg Web API linka:

https://restcountries.com/v2/all?fields=name,capital,population,area,flag,region

Dobijene podatke prikazati tabelarno: naziv države, glavni grad, region u kome se država nalazi,

broj stanovnika, površinu i zastavu. Po mogućnosti tabelu stilizovati koristeći Bootstrap framework.

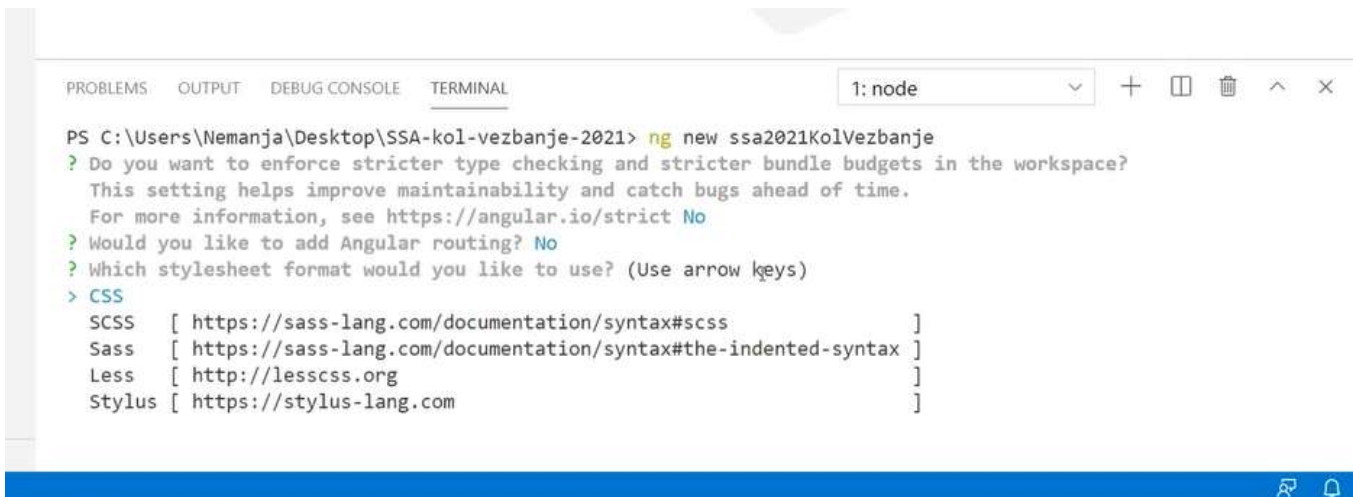Koristiti sve standardne angular elemente: komponente, servise, modele...

Prvo palimo visual studio code

Nakon toga palimo terminal u sklopu visual stido code-a u sklopu menija Terminal pa new Terminal
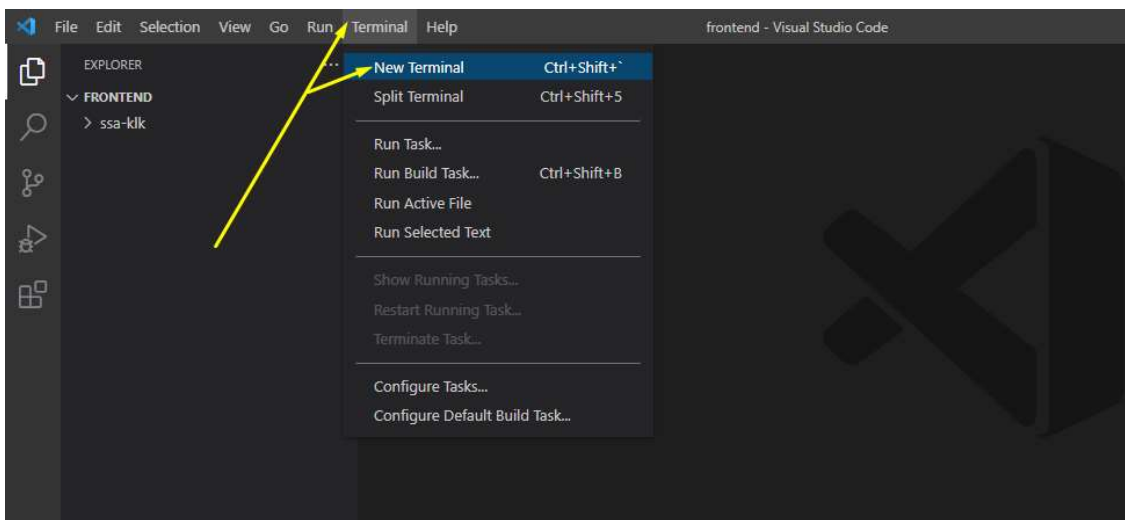
Nakon toga kucamo sledecu komandu u terminalu: **ng new pa naziv koji cemo**,   I sa enter sve potvrdjujemo I sacekamo proces moze da potraje.

Ako ovo budu prof za nas odradili kucamo samo npm install

Kada se to zavrsi prelazimo na **ng serve komandu**, gde moze da dodje do greske kao na slici ispod iz razloga jer nismo u pravom folderu.

Ovo resavamo uz pomoc **cd pa naziv foldera** projekta da udjemo u njega pa onda idemo **ng serve**

Gasimo I AutoSave savetuje Vicovic kako ne bi ukocilo racunar na faxu zbog konstantnog auto sejva.


```
√ Compiled successfully.
√ Browser application bundle generation complete.

Initial Chunk Files  | Names  |      Size
styles.css, styles.js | styles | 347.11 kB

4 unchanged chunks

Build at: 2021-04-14T17:13:48.599Z - Hash: 72cb0e5ee2b3b3895b8f - Time: 242ms

√ Compiled successfully.
```
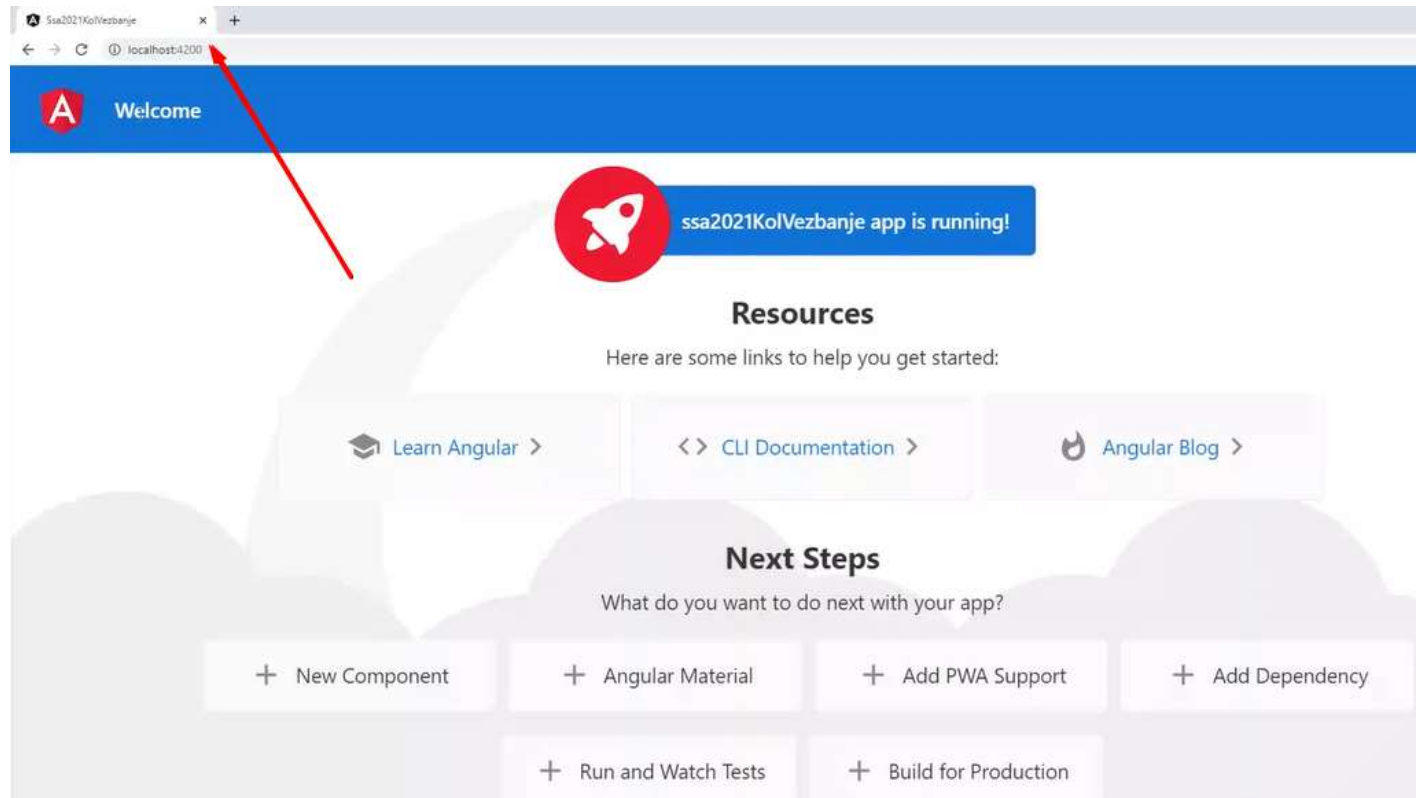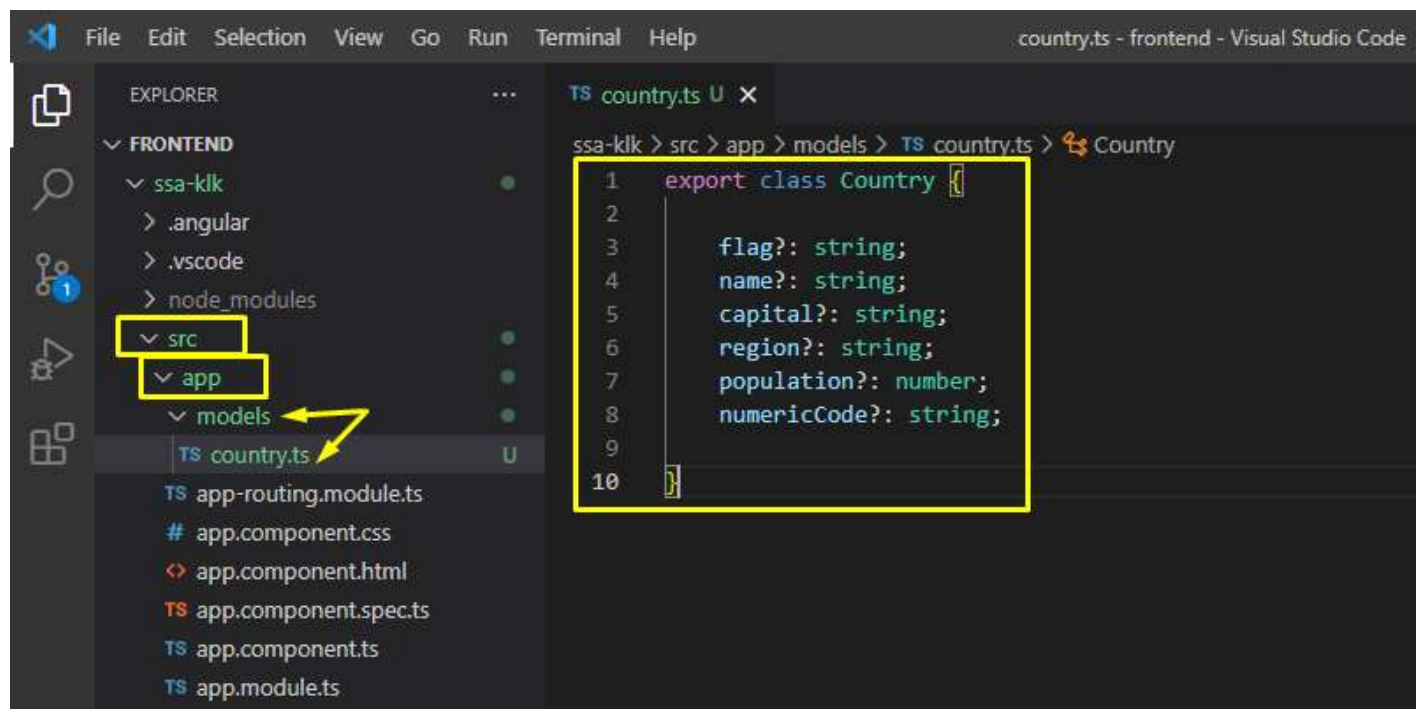
uspesno zavrseno.

```typescript
export class Country {

    flag?: string;
    name?: string;
    capital?: string;
    region?: string;
    population?: number;
    numericCode?: string;

}
```

Nakon toga ponovo idemo do terminala I ulazimo u projekat sa komandom: cd ssa-klk
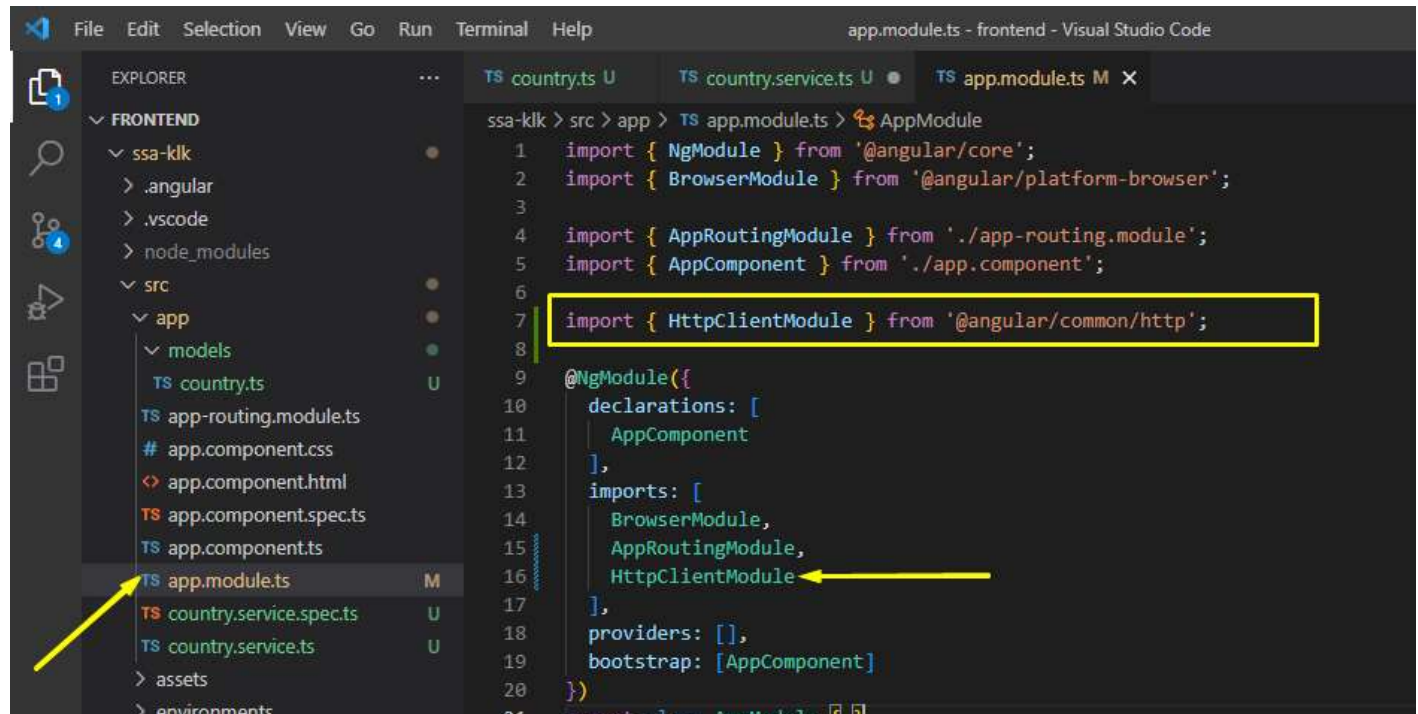

Nakon toga kucamo novu komandu: **ng generate service country** , nakon cega dobijamo novi fajl sa strane
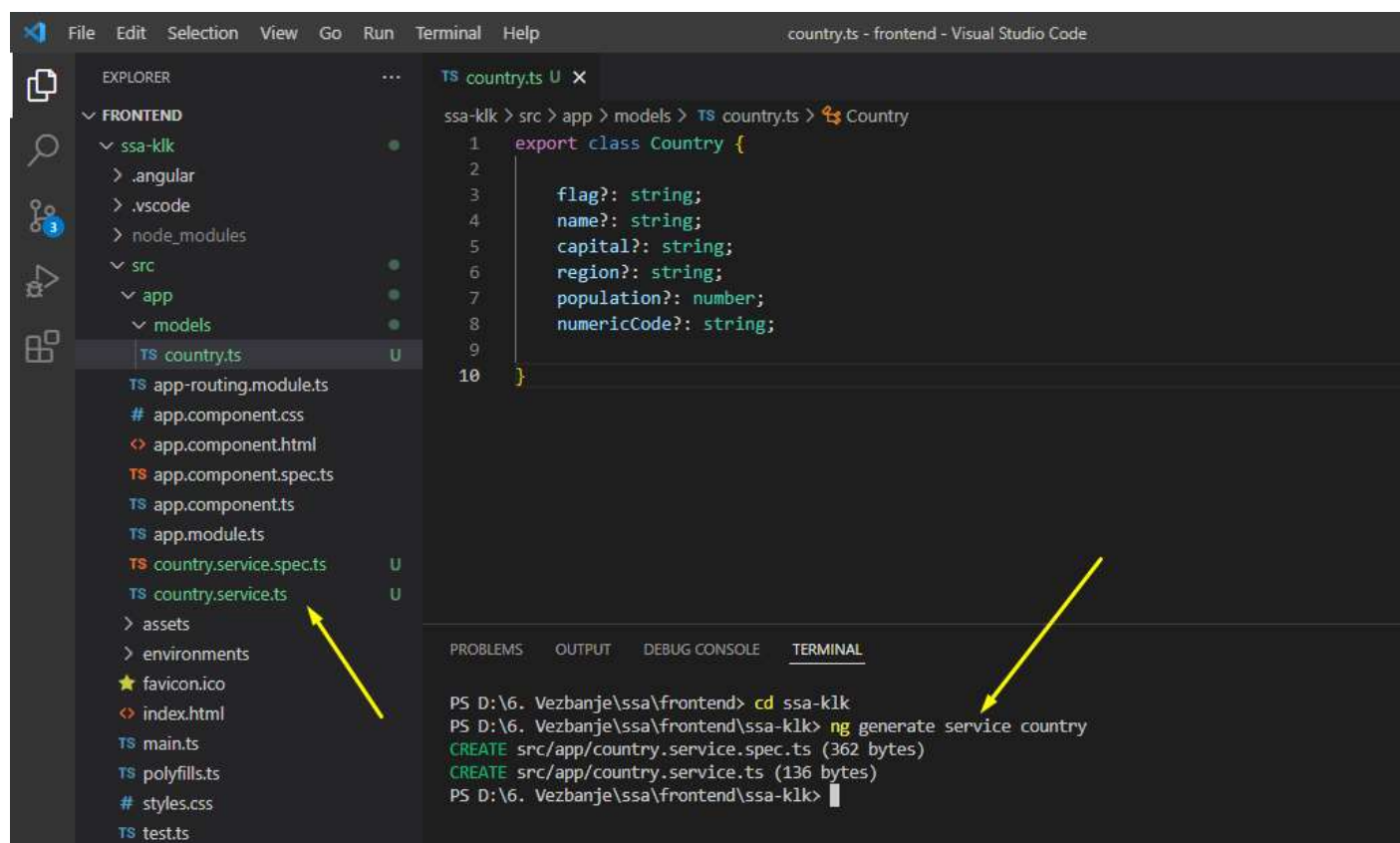
Ulazimo u fajl app module ts , u kom dodajemo sledeci http modul kao I import kao na slici ispod

import { HttpClientModule } from '@angular/common/http';
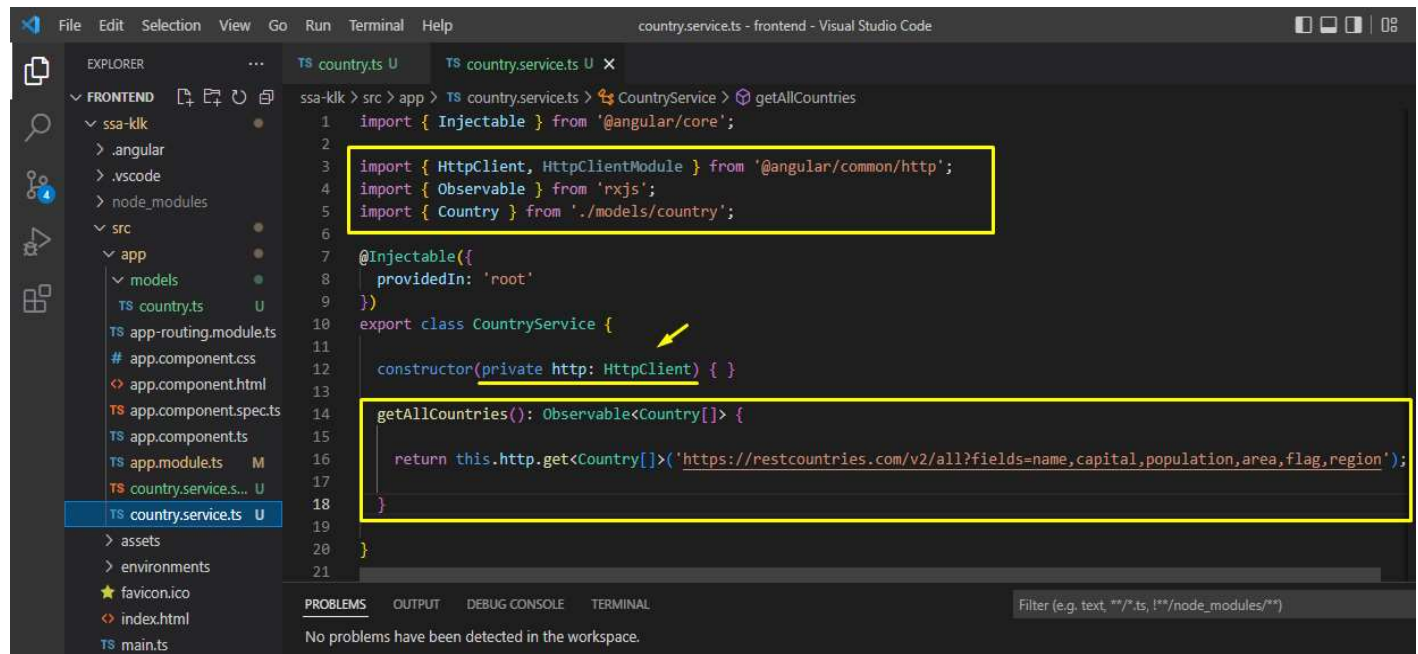
HttpClientModule

```
import { HttpClient, HttpClientModule } from '@angular/common/http';
import { Observable } from 'rxjs';
import { Country } from './models/country';

constructor(private http: HttpClient) { }

getAllCountries(): Observable<Country[]> {
return
this.http.get<Country[]>('https://restcountries.com/v2/all?fields=name,capital,population,area,flag,region')
; }
```
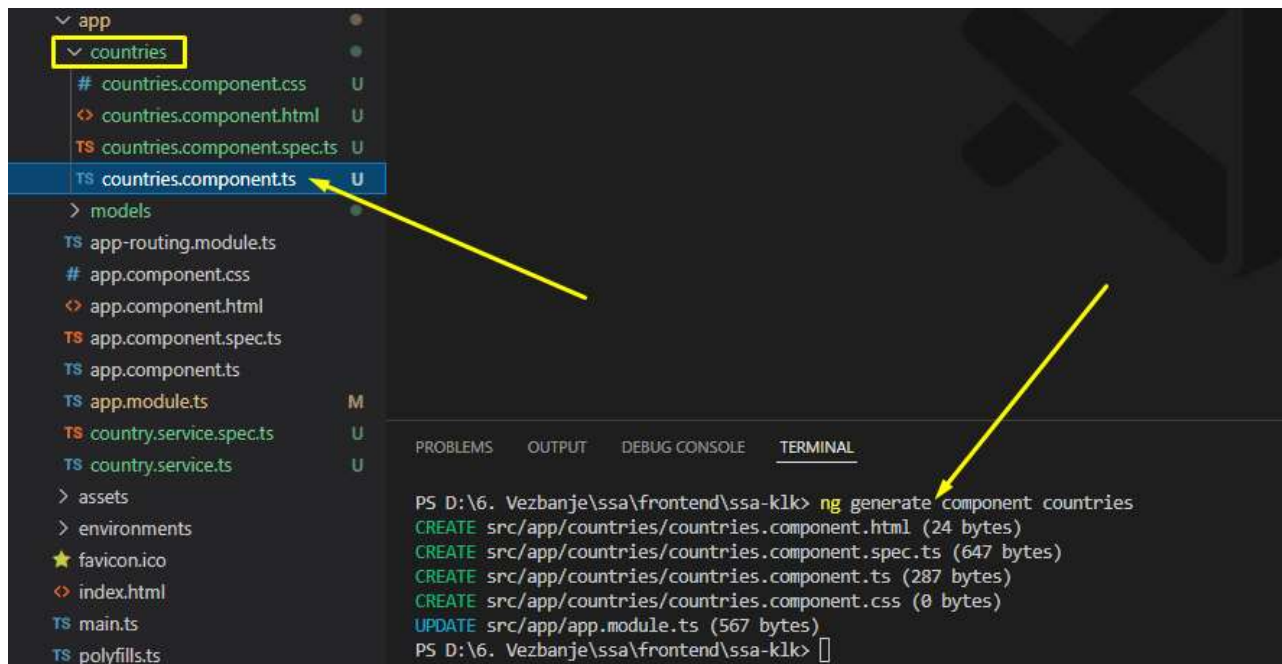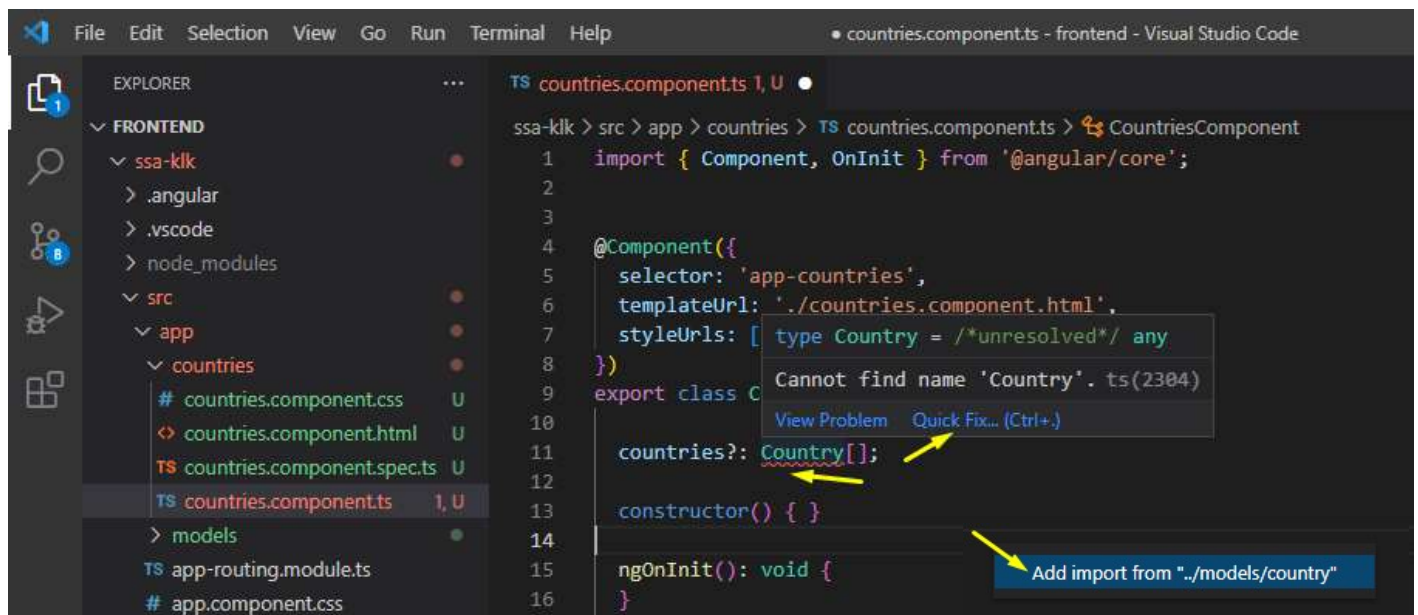
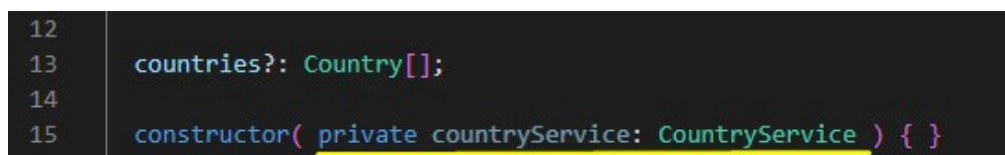Nakon unosa u terminal dobijamo novi folder sa komponentom.

Nakon toga palimo fajl krecemo sa kodiranjem;

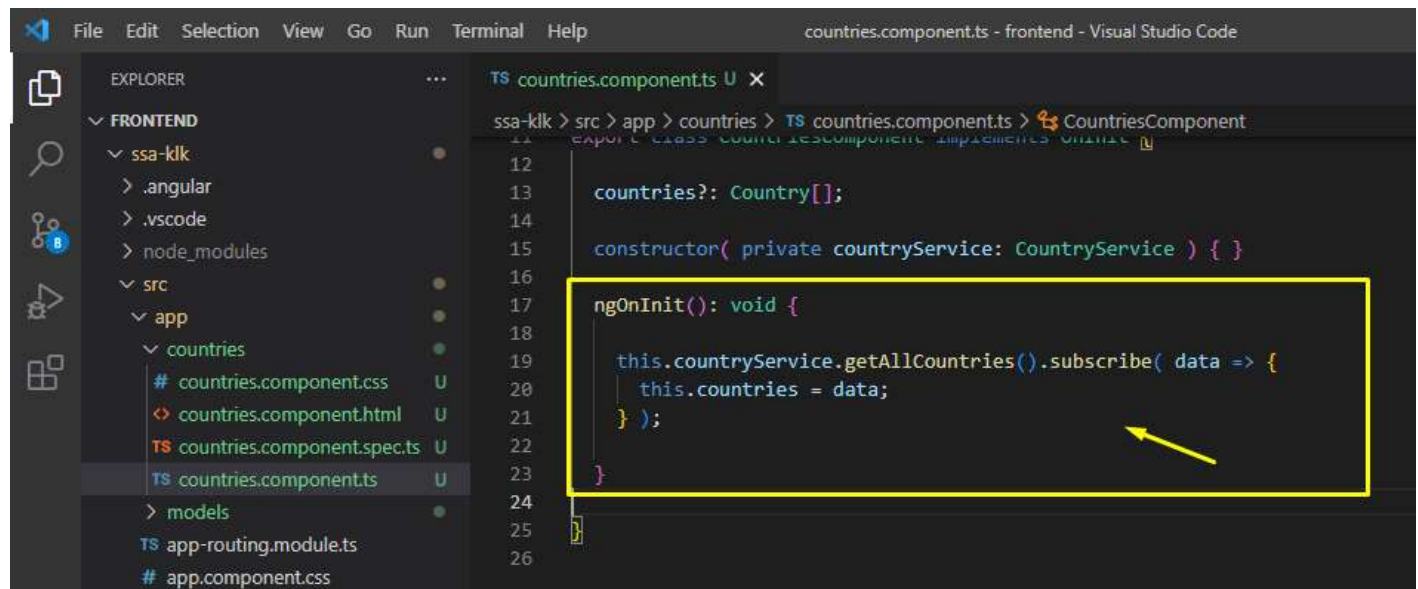Kucamo 11tu liniju koda nakon cega vrsimo import da bi otklonili gresku.

Nakon toga popunimo konstruktor na sledeci nacin: private countryService: CountryService

```
this.countryService.getAllCountries().subscribe( data => {
  this.countries = data;
} );
```


I ovim zavrsavamo sa komponentom.

```html
<table border="1" align="center" >

    <thead>
        <tr height="50px" >
            <th>Zastava</th>
            <th>Zemlja</th>
            <th>Region</th>
            <th>Glavni grad</th>
            <th>Broj stanovnika</th>
        </tr>
    </thead>

    <tbody align="center" >
        <tr *ngFor="let country of countries" >

            <td> <img src="{{ country.flag }}" width="100px" height="80px" /> </td>
            <td> {{ country.name }} </td>
            <td> {{ country.region }} </td>
            <td> {{ country.capital }} </td>
            <td> {{ country.population }} </td>

        </tr>
    </tbody>

    <tfoot>
        <br>
        <p>
            Ukupan broj zemalja: {{ countries?.length }}
        </p>
    </tfoot>

</table>
```
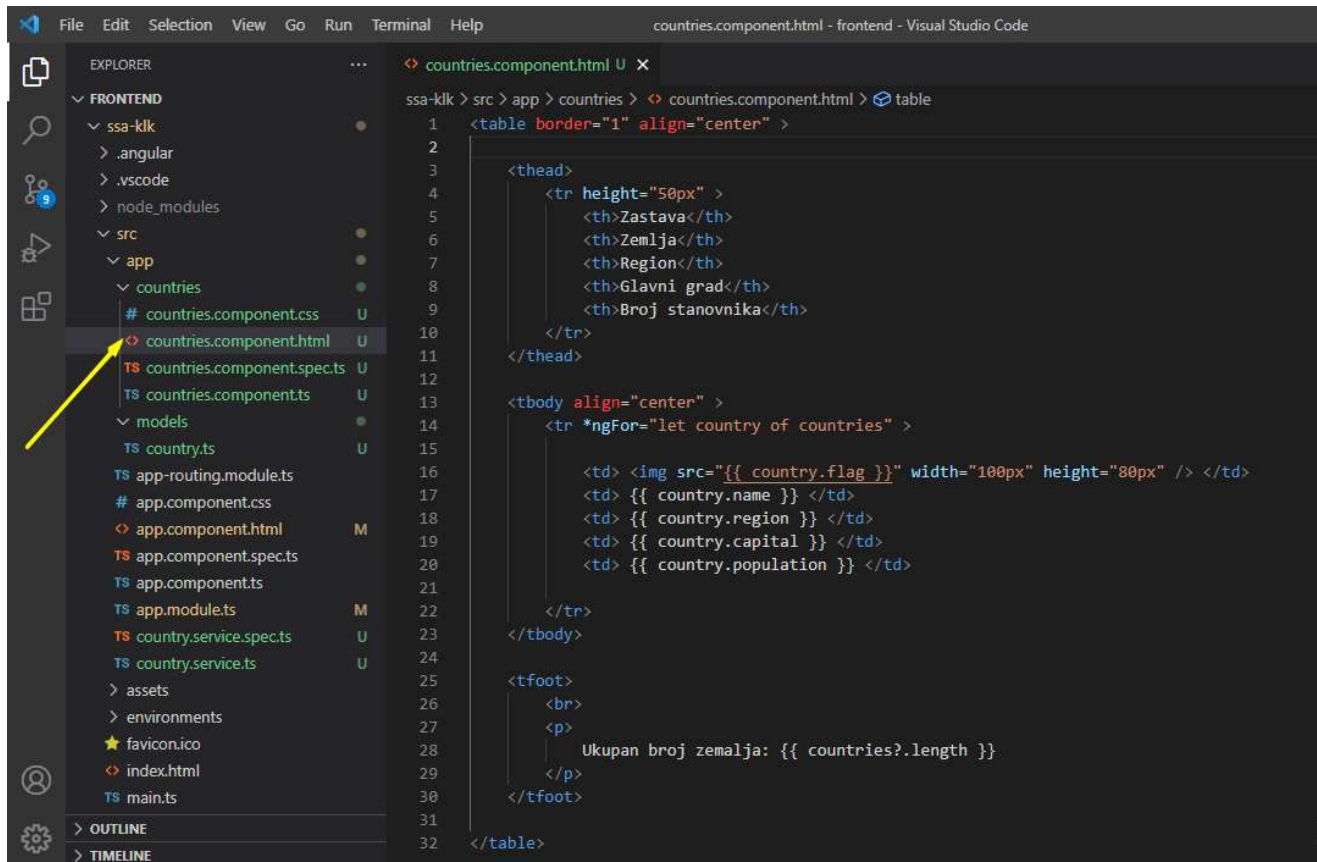
Pre pokretanja I provere uraadjenog **iz fajla app.component.html se brise sve I pise sledeca linija koda**:

Resenje zadatka.

Ako dodje do greske na pocetku da nece npm install ili bilo kakav pocetak rada sa sledece putanje C:\Users\Lenovo\AppData\Roaming\npm fajl pod imenom ng.ps1 obrisemo, posle bi trebalo da radi.