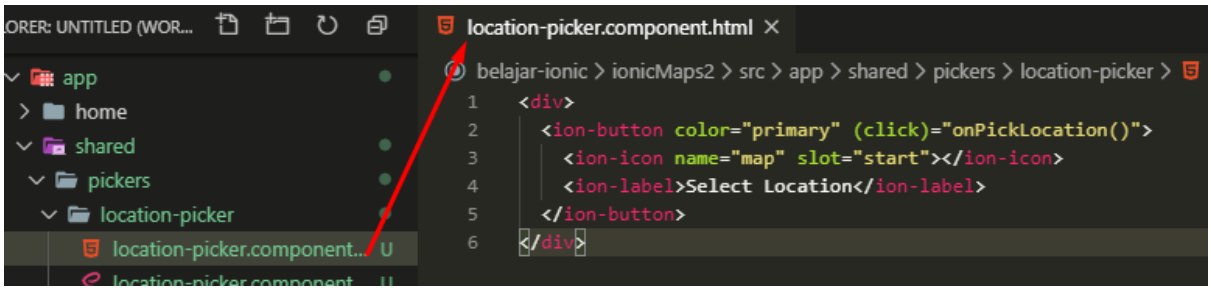
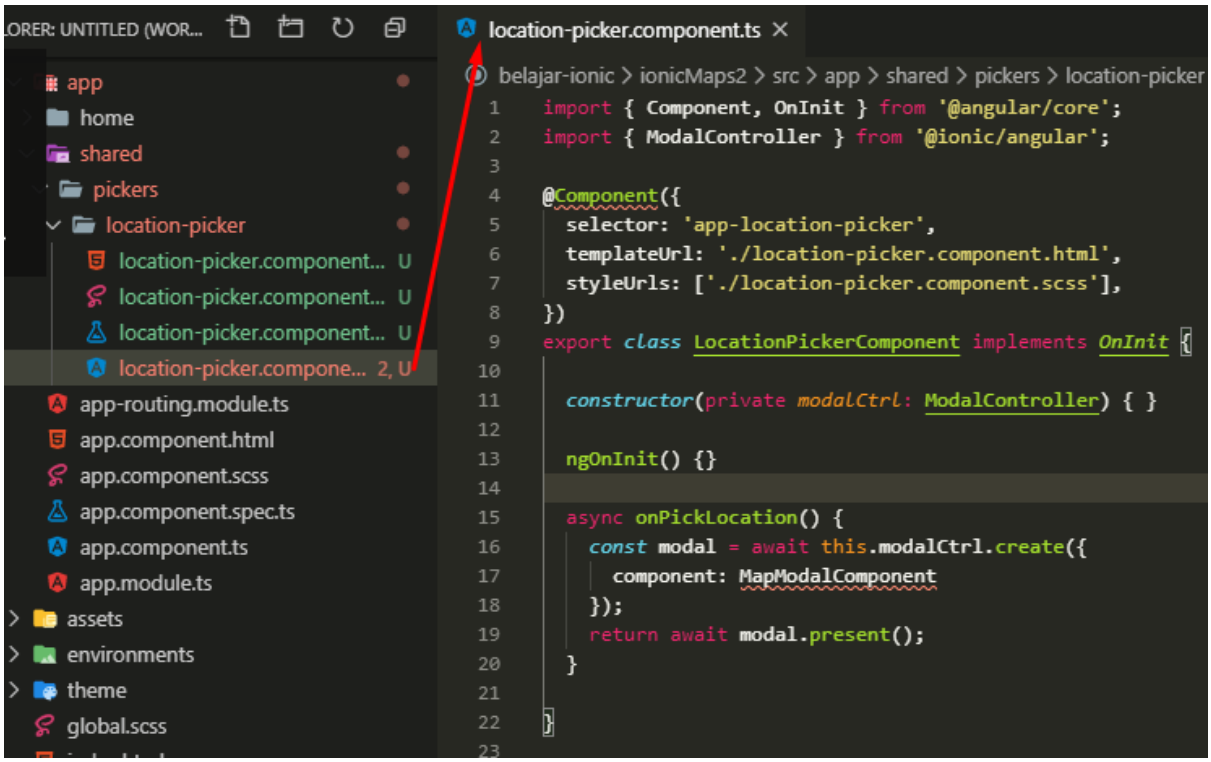
Buat project Ionic baru

Generate component location-picker

```
D:\belajar-ionic\ionicMaps2> ionic generate component shared/pickers/location-picker
```

Tambahkan kode berikut

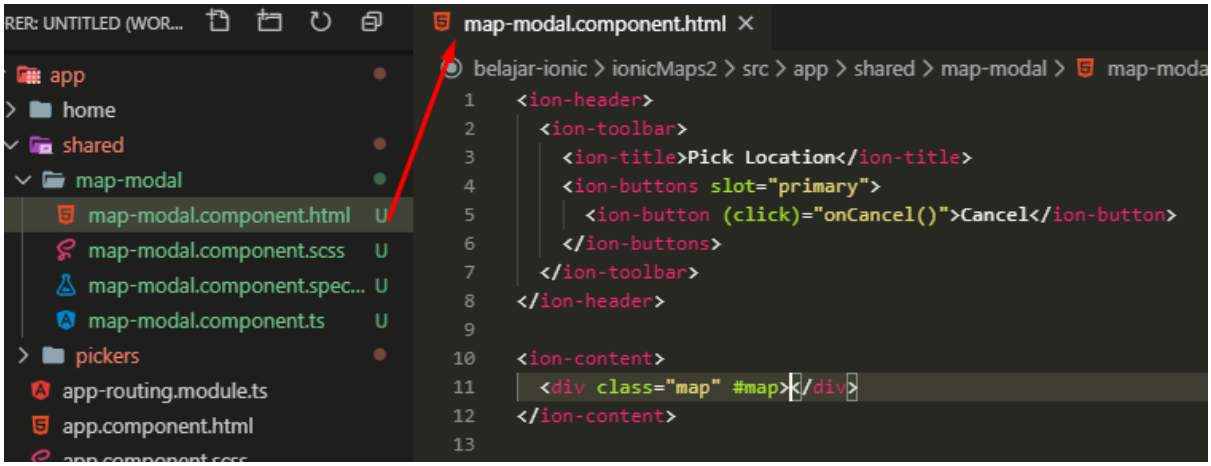


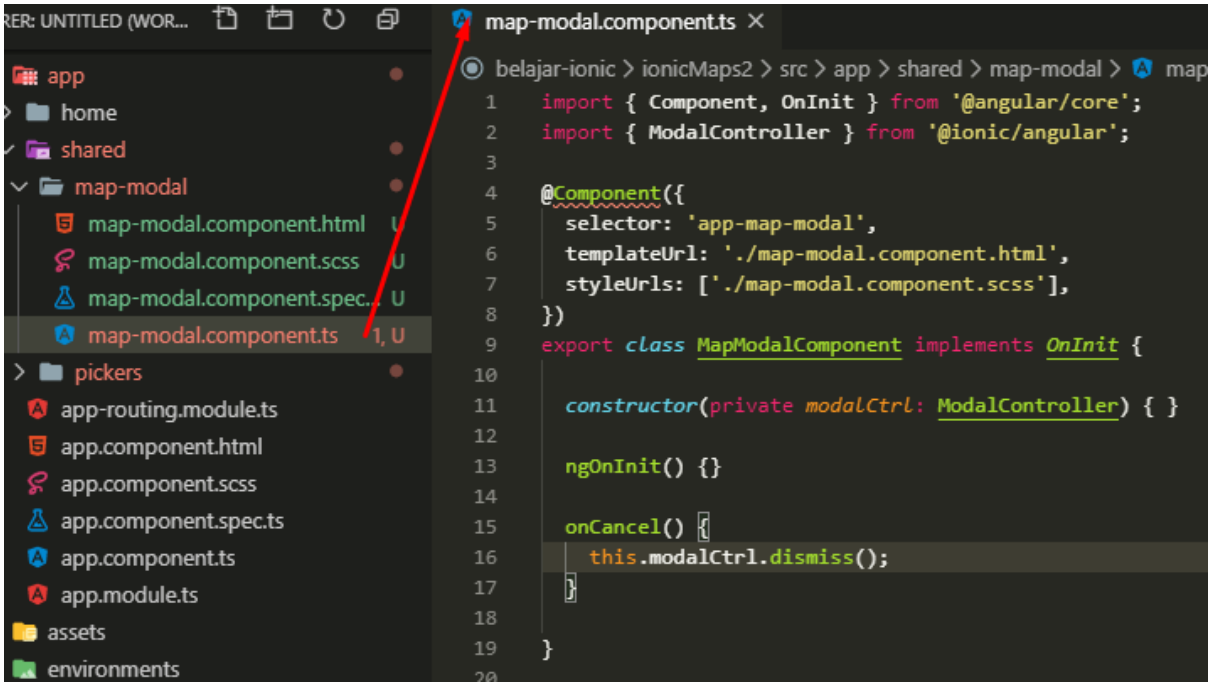


Buat component map-modal

```
D:\belajar-ionic\ionicMaps2> ionic generate component shared/map-modal
```

Tambahkan kode berikut

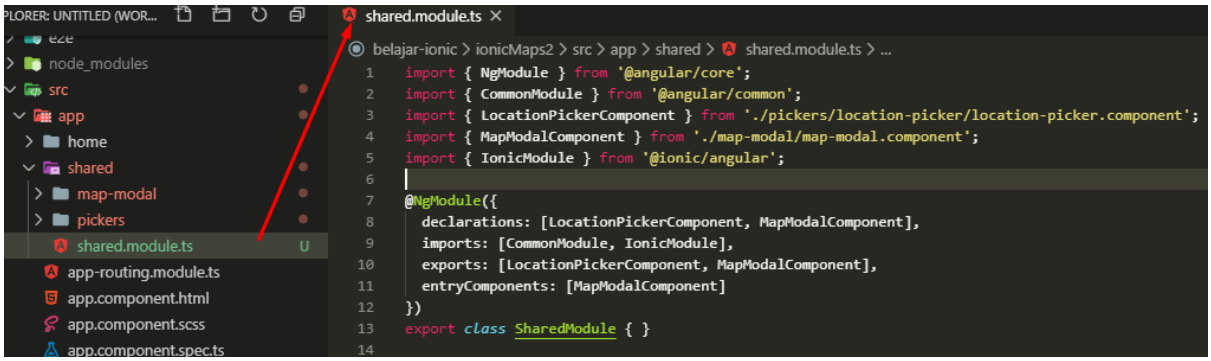




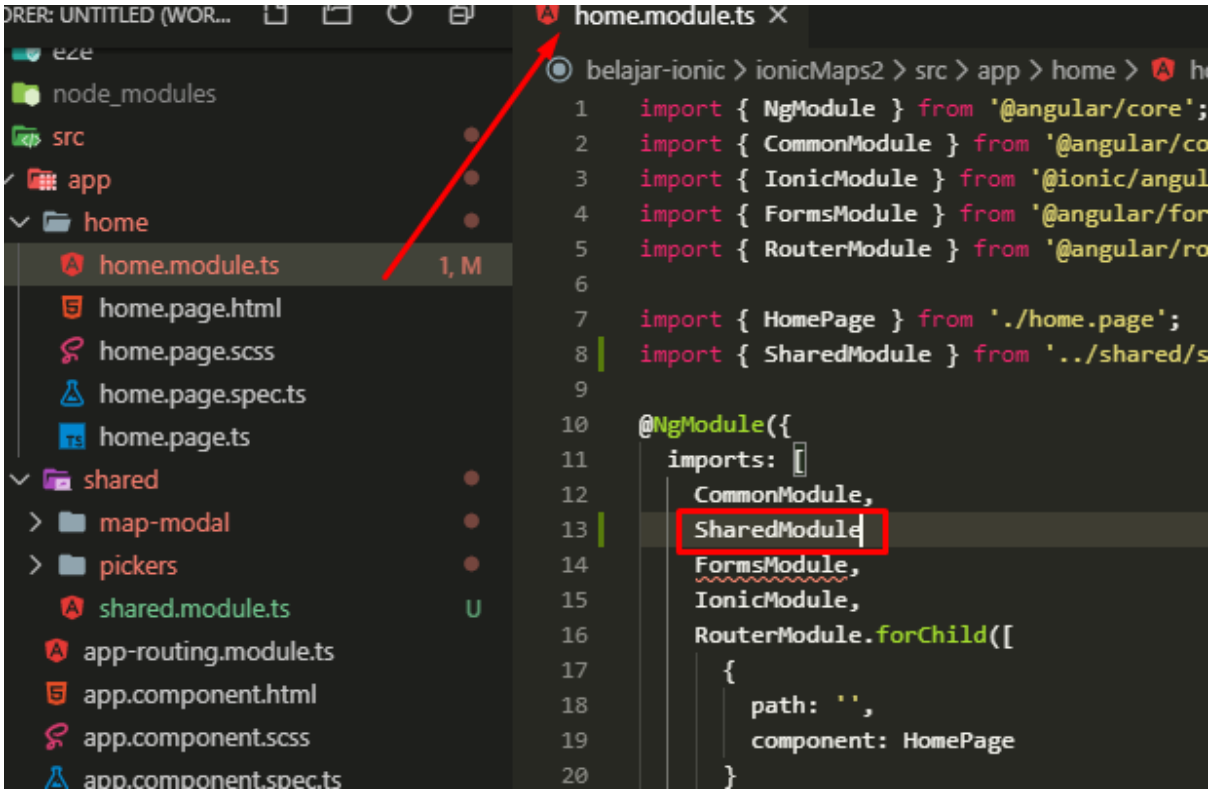
Buat modul shared

```
D:\belajar-ionic\ionicMaps2> ionic generate module shared
```

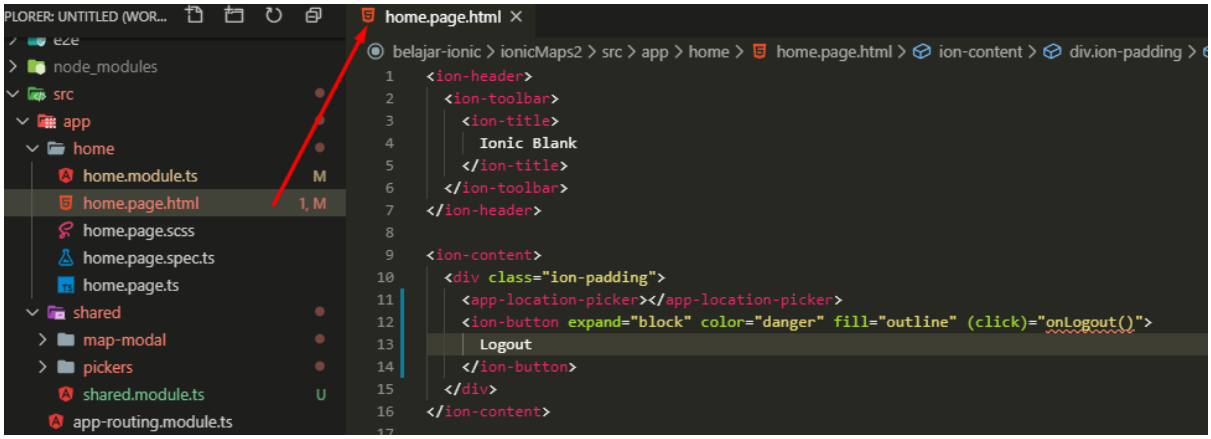
Tambahkan kode berikut



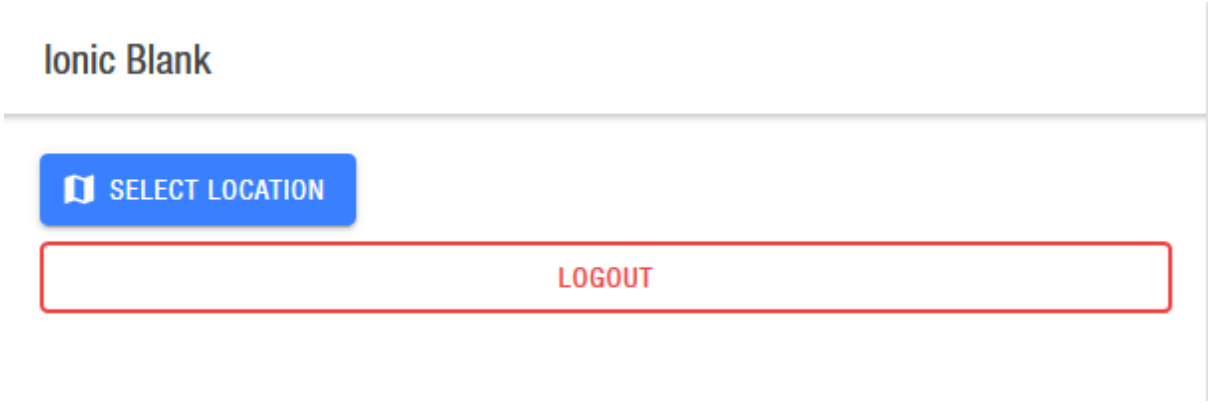
Tambahkan kode berikut



Tambahkan kode berikut



Coba jalankan di browser, akan muncul seperti berikut



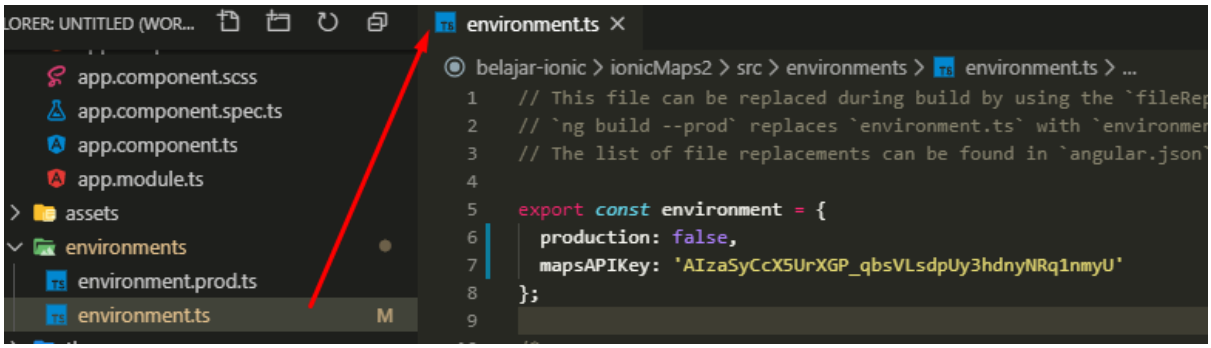
Maps Method 1

Jalankan command berikut

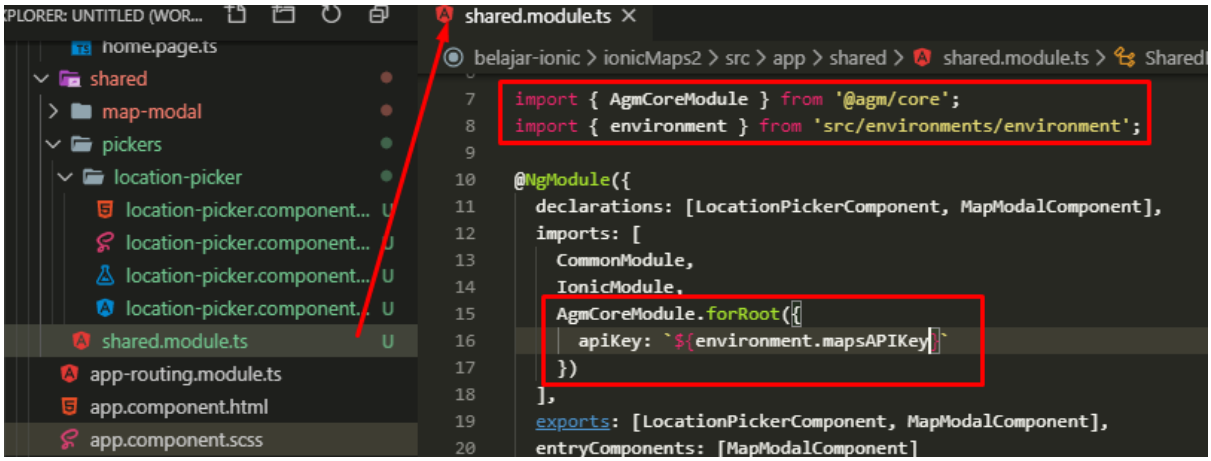
```
D:\belajar-ionic\ionicMaps2> npm install @agm/core
```

mapsAPIKey: AIzaSyCcX5UrXGP_qbsVLsdpUy3hdnyNRq1nmyU

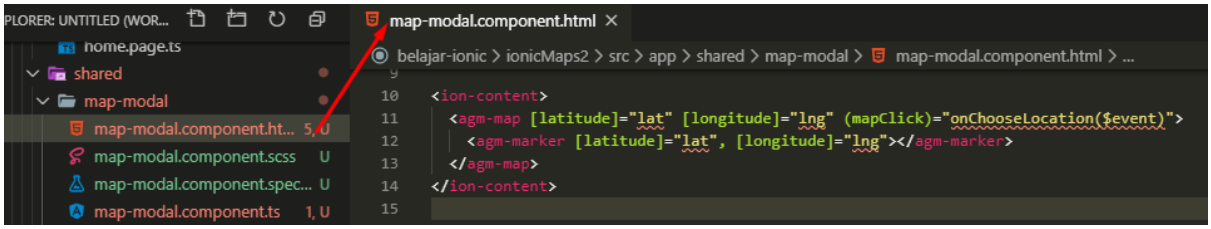
Tambahkan maps Apikey ke environment

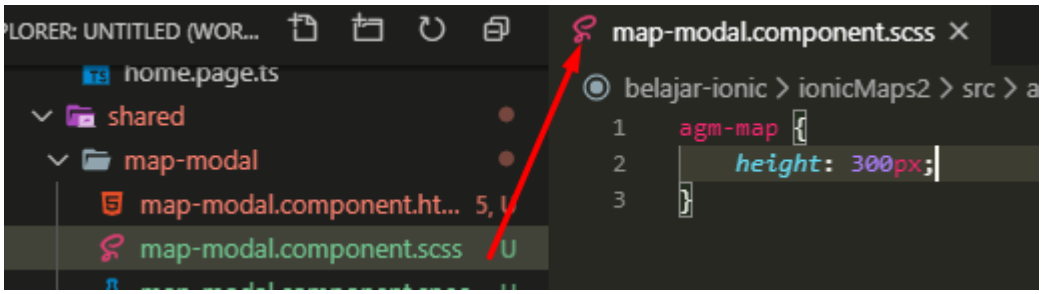


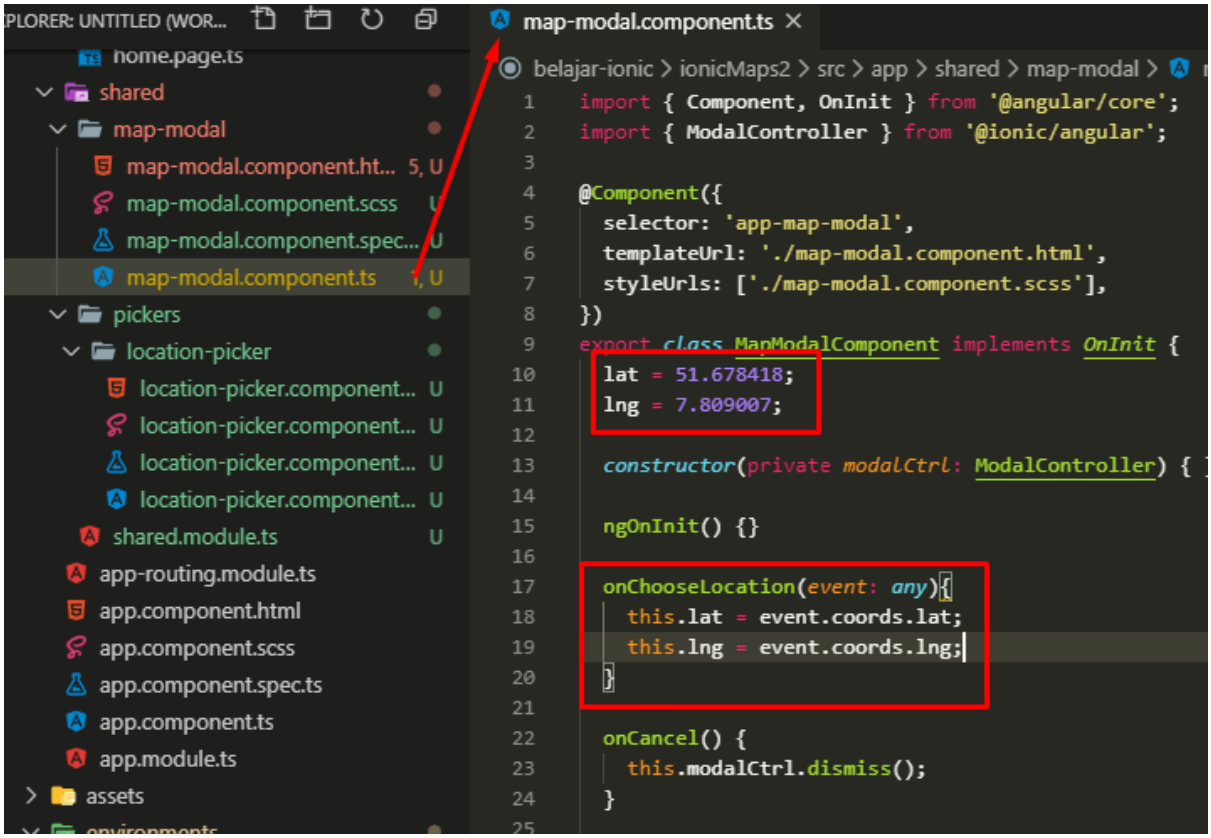
Tambahkan kode berikut pada shared module



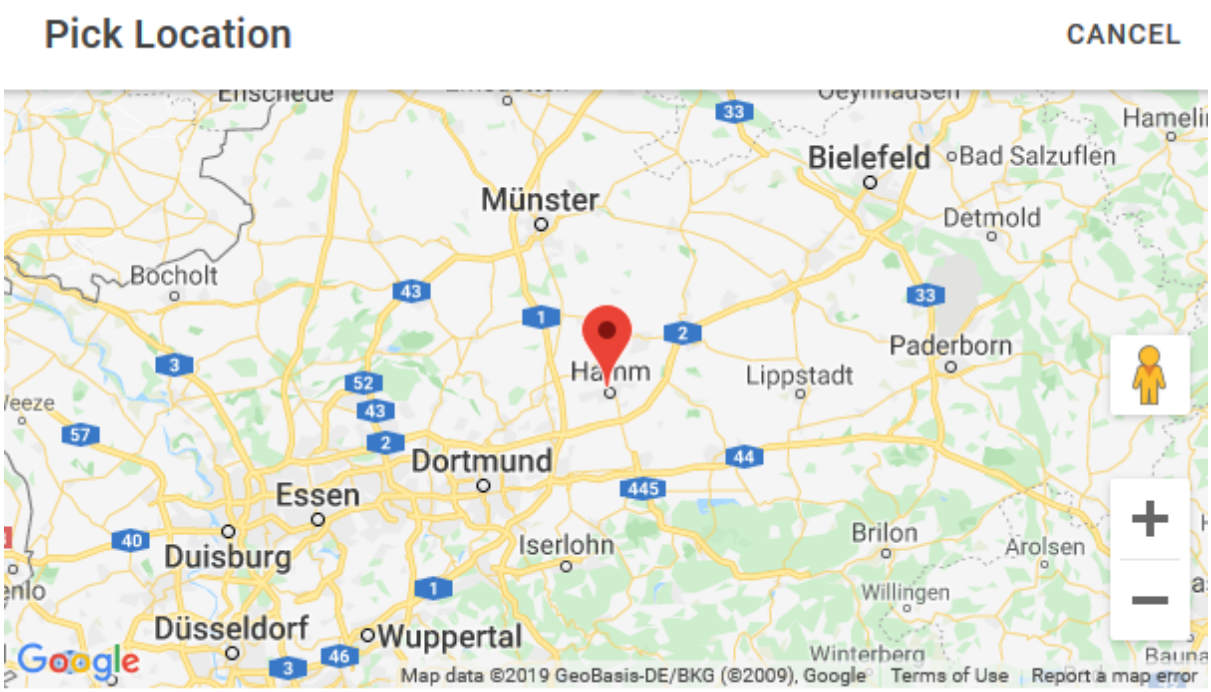
Tambahkan kode berikut





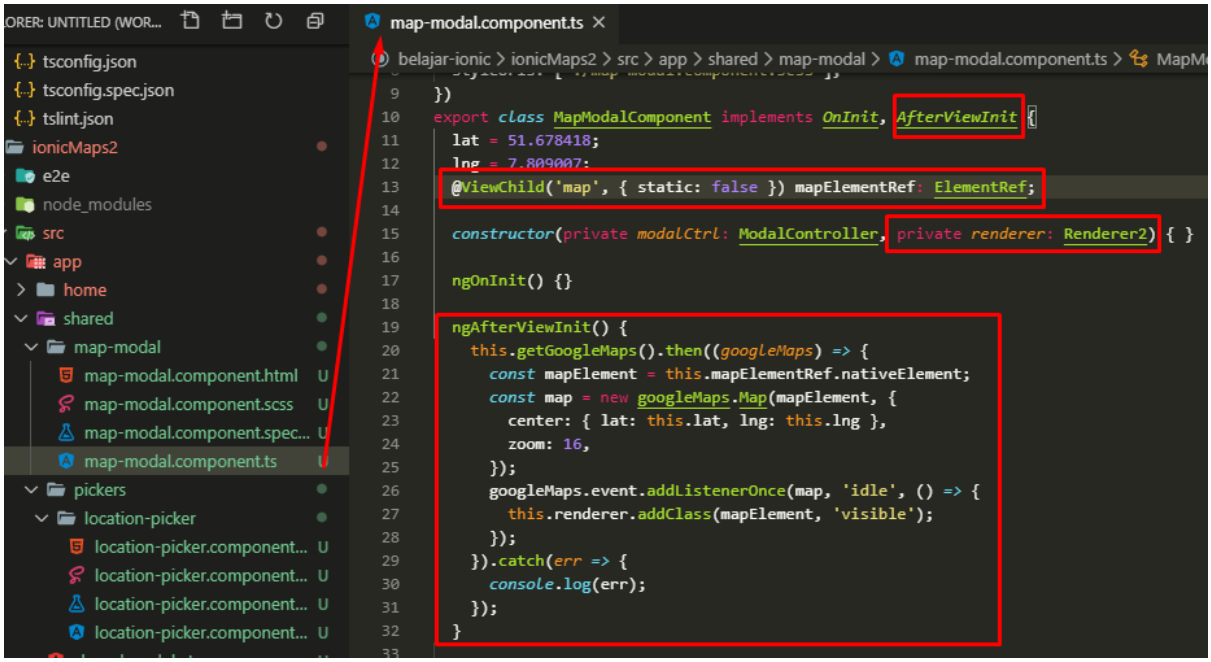


Coba di browser

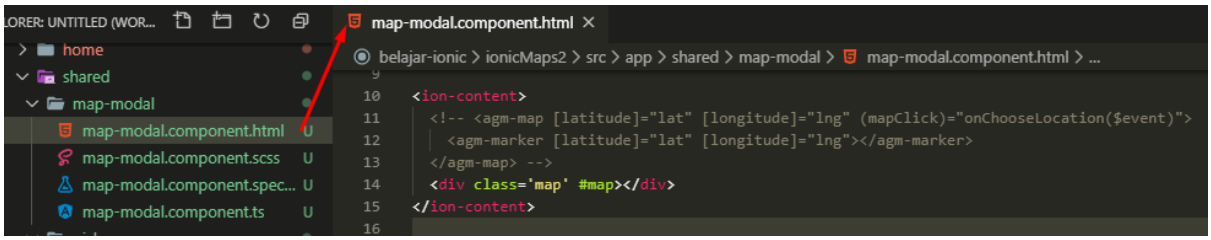


Metode 2

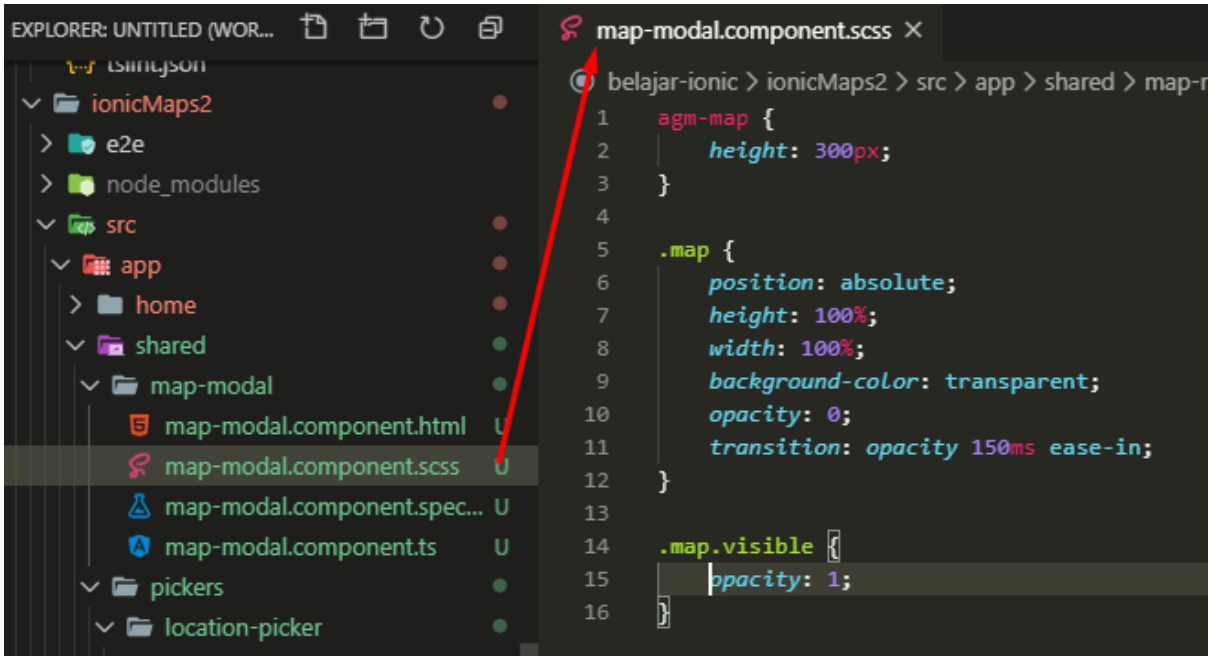
Tambahkan kode berikut



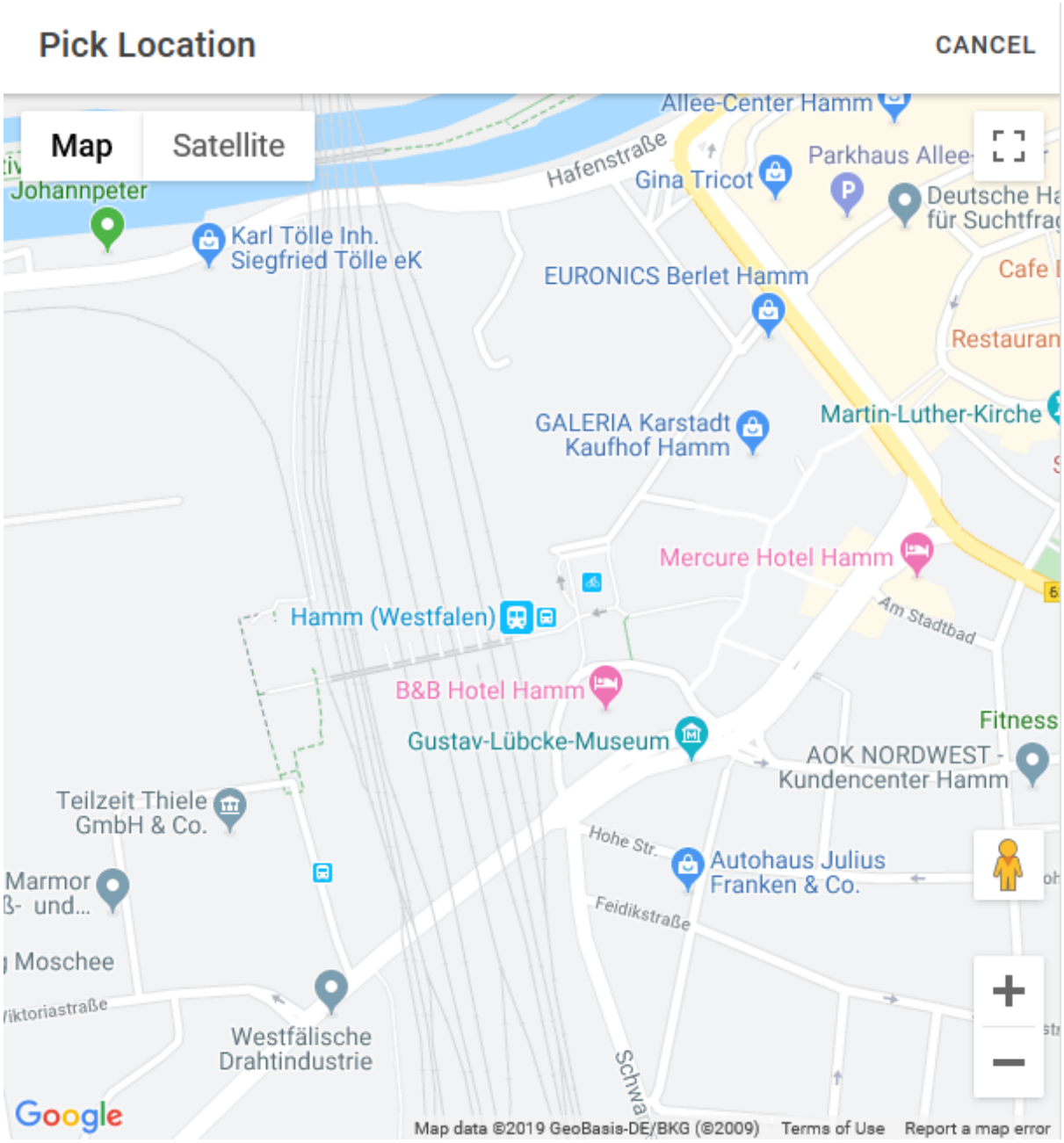
Modifikasi menjadi seperti berikut



Tambahkan style

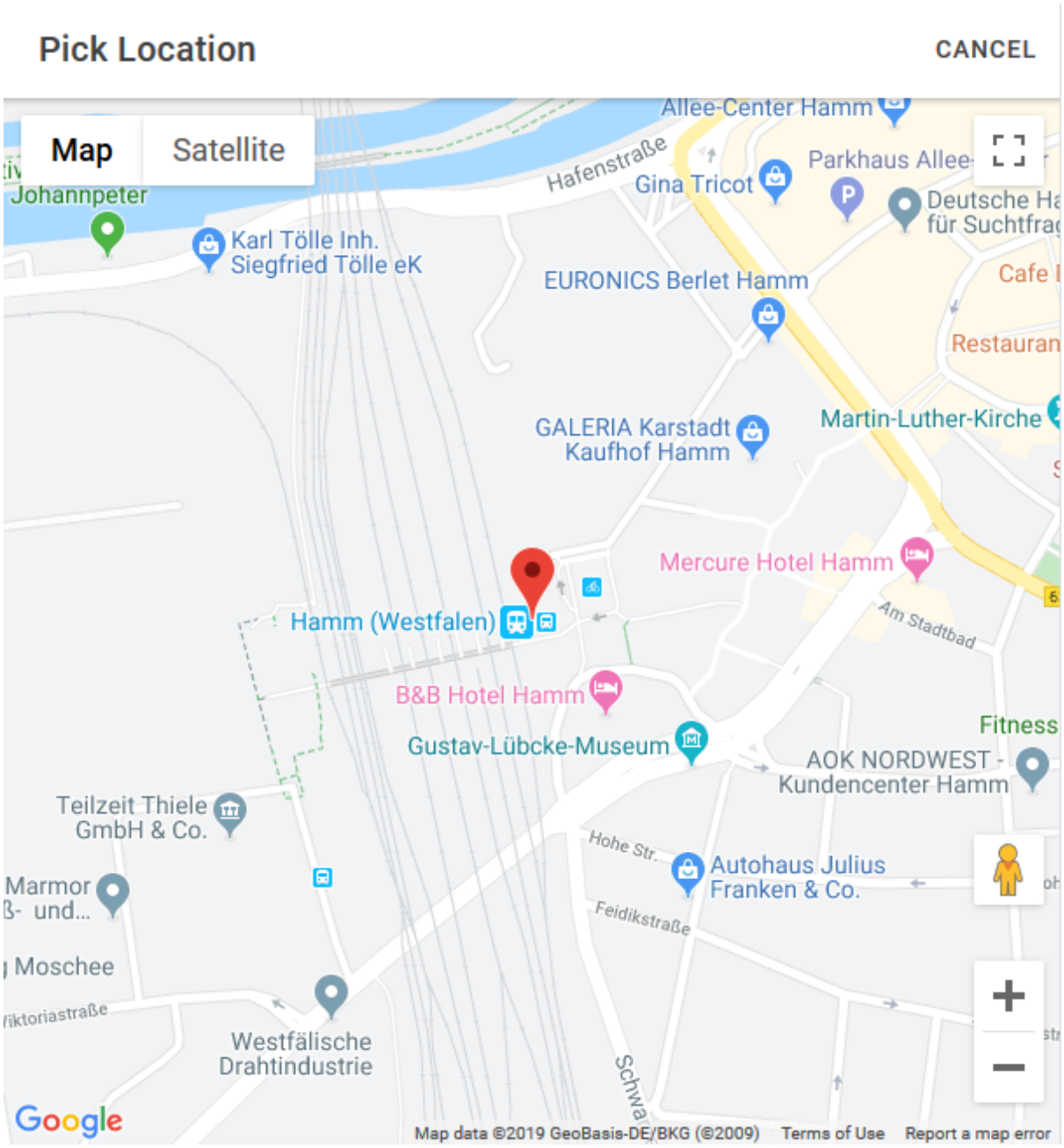


Lihat hasilnya di browser

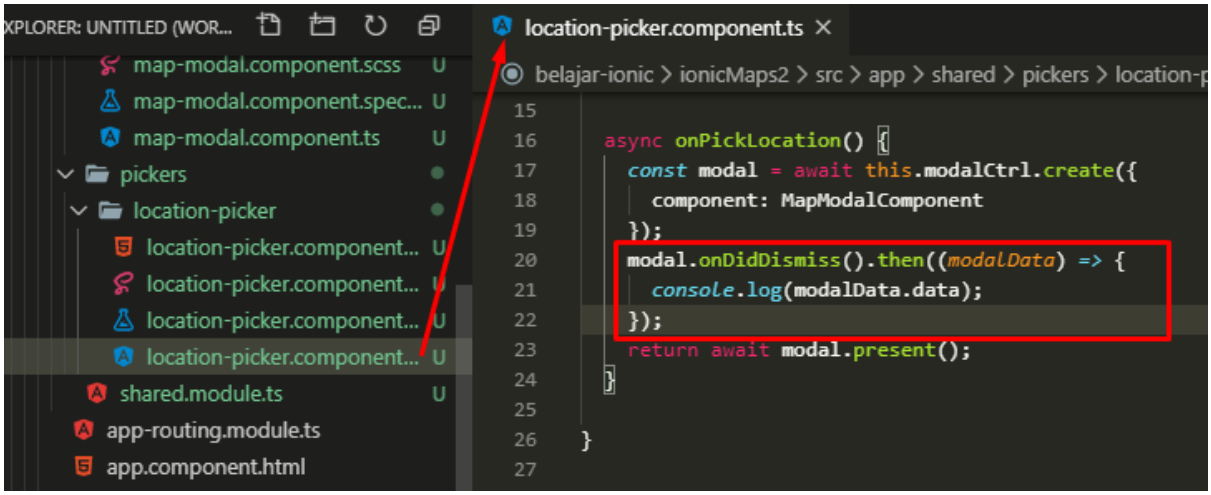


Tambahkan marker

Lihat hasilnya di browser



Tambahkan kode berikut



Coba di browser

```
Object { lat: 51.68014766342161, lng: 7.806035112411564 }
```

++++++++++++++

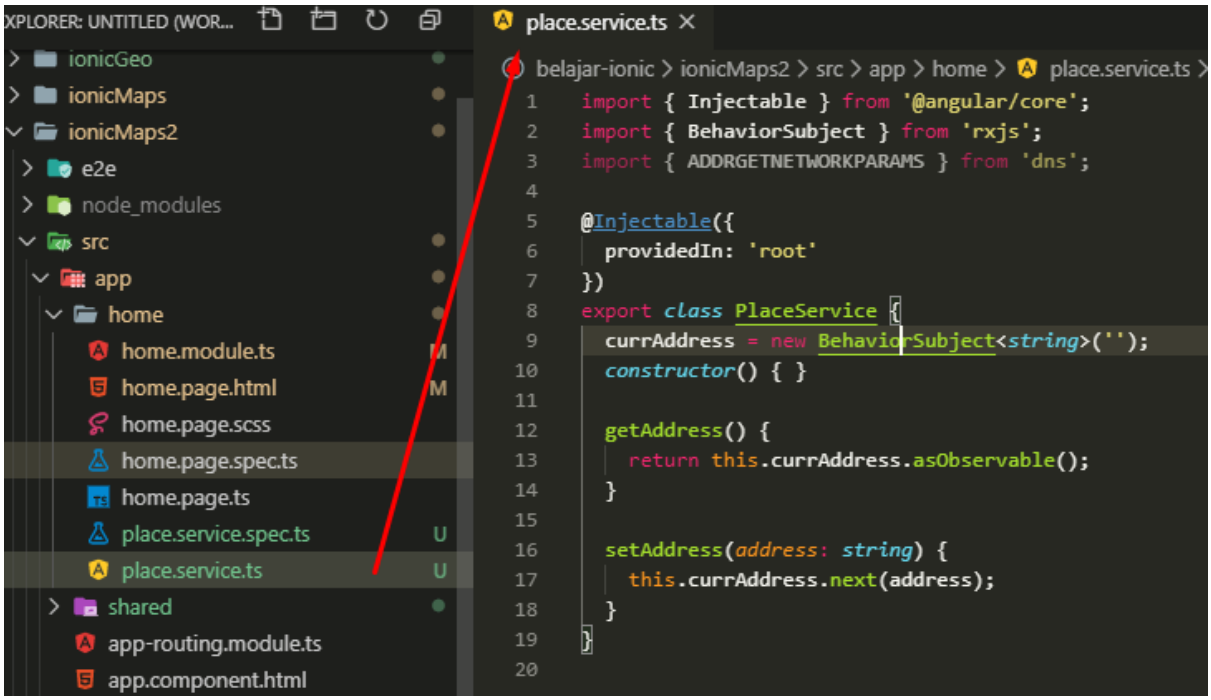
TAMBAHAN

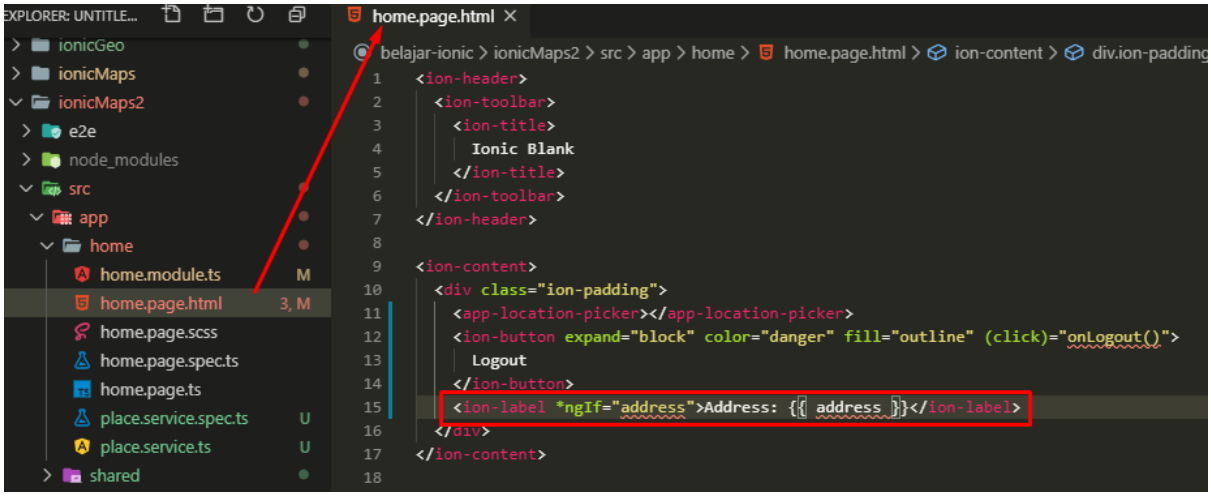
Menampilkan alamat

Buat place service

```
D:\belajar-ionic\ionicMaps2> ionic generate service home/place
```

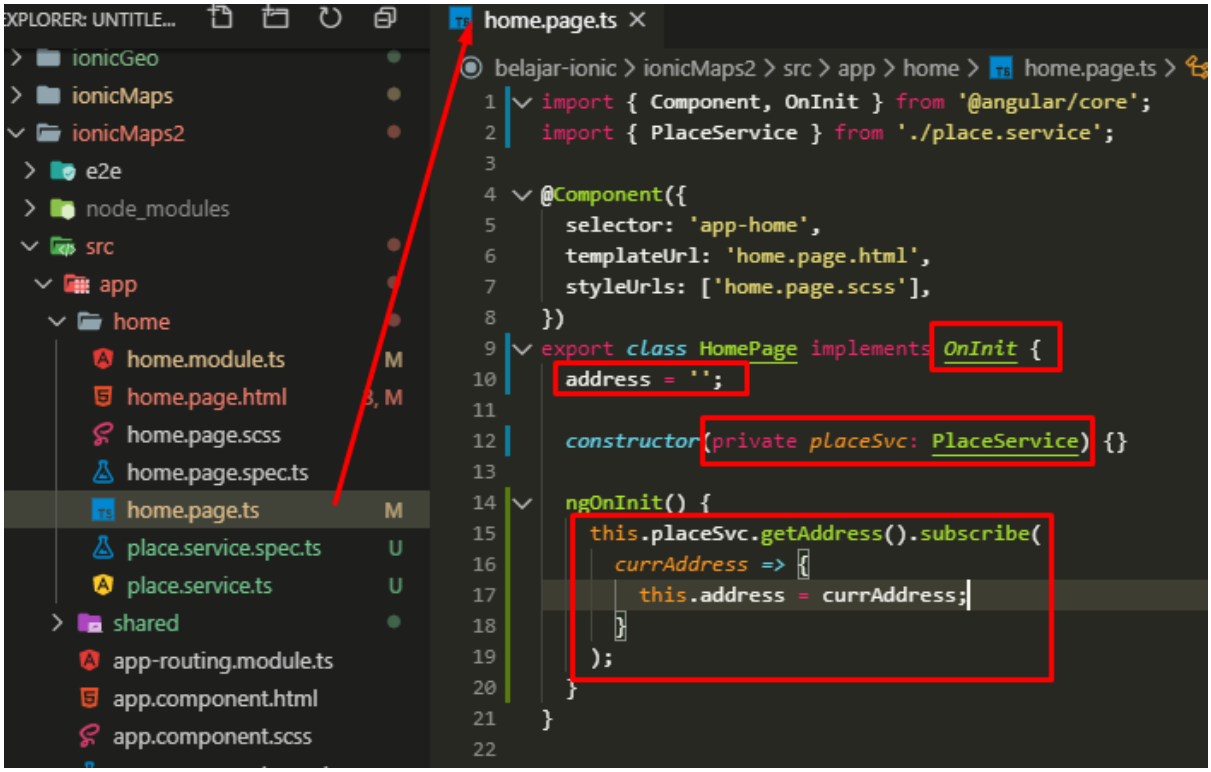
Tambahkan kode berikut

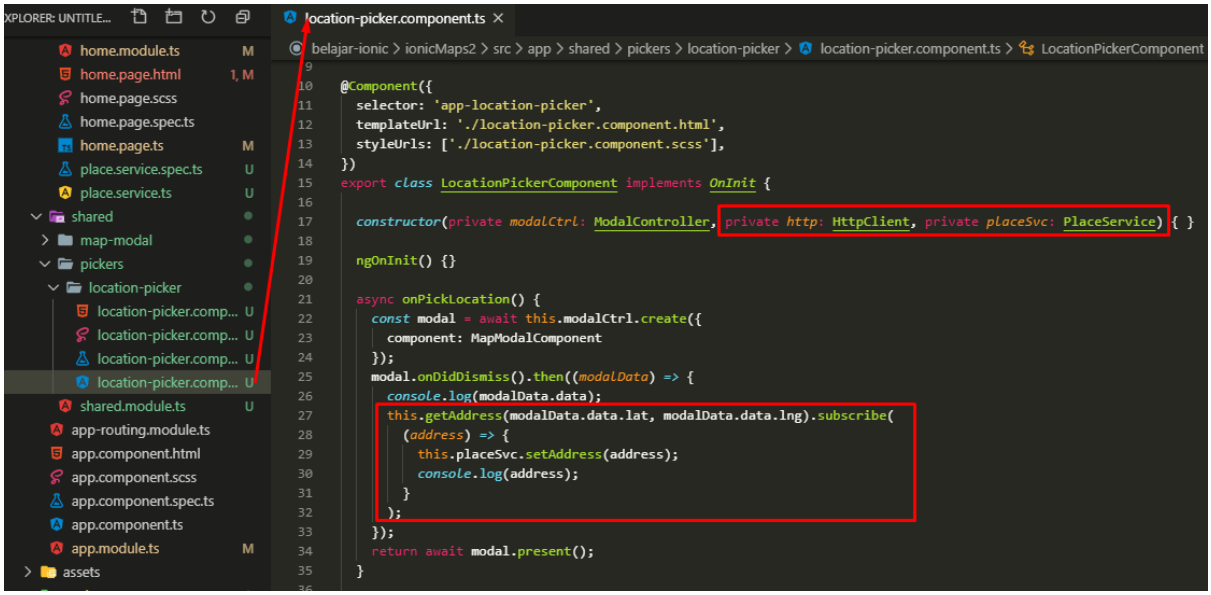



home.page.html
belajar-ionic > ionicMaps2 > src > app > home > home.page.html > ion-content > div.ion-padding
ionicGeo
ionicMaps
ionicMaps2
e2e
node_modules
src
app
home
home.module.ts M
home.page.html 3, M
home.page.scss
home.page.spec.ts
home.page.ts
place.service.spec.ts U
place.service.ts U
shared
<ion-header>
<ion-toolbar>
<ion-title>
Ionic Blank
</ion-title>
</ion-toolbar>
</ion-header>
<ion-content>

<app-location-picker></app-location-picker>
<ion-button expand="block" color="danger" fill="outline" (click)="onLogout()">
Logout
</ion-button>
<ion-label *ngIf="address">Address: {{ address }}</ion-label>

</ion-content>


home.page.ts
belajar-ionic > ionicMaps2 > src > app > home > home.page.ts
ionicGeo
ionicMaps
ionicMaps2
e2e
node_modules
src
app
home
home.module.ts M
home.page.html
home.page.scss
home.page.spec.ts
home.page.ts M
place.service.spec.ts U
place.service.ts U
shared
app-routing.module.ts
app.component.html
app.component.scss
import { Component, OnInit } from '@angular/core';
import { PlaceService } from './place.service';
@Component({
selector: 'app-home',
templateUrl: 'home.page.html',
styleUrls: ['home.page.scss'],
})
export class HomePage implements OnInit {
address = '';
constructor(private placeSvc: PlaceService) {}
ngOnInit() {
this.placeSvc.getAddress().subscribe(
currAddress => {
this.address = currAddress;
}
);
}
}


location-picker.component.ts
belajar-ionic > ionicMaps2 > src > app > shared > pickers > location-picker > location-picker.component.ts > LocationPickerComponent
@Component({
selector: 'app-location-picker',
templateUrl: './location-picker.component.html',
styleUrls: ['./location-picker.component.scss'],
})
export class LocationPickerComponent implements OnInit {
constructor(private modalCtrl: ModalController, private http: HttpClient, private placeSvc: PlaceService) { }
ngOnInit() {}
async onPickLocation() {
const modal = await this.modalCtrl.create({
component: MapModalComponent
});
modal.onDidDismiss().then((modalData) => {
console.log(modalData.data);
this.getAddress(modalData.data.lat, modalData.data.lng).subscribe(
(address) => {
this.placeSvc.setAddress(address);
console.log(address);
}
);
});
return await modal.present();
}

location-picker.component.ts
belajar-ionic > ionicMaps2 > src > app > shared > pickers > location-picker > location-picker.component.ts > LocationPickerComponent
return await modal.present();
}
private getAddress(lat: number, lng: number) {
return this.http.get<any>(`https://maps.googleapis.com/maps/api/geocode/json?latlng=${lat},${lng}&key=${environment.mapsAPIKey}`)
.pipe(
map(geoData => {
if (!geoData || !geoData.results || !geoData.results.length) {
return null;
}
return geoData.results[0].formatted_address;
})
);
}
}