

## AULA PRÁTICA 6:

- Nesta aula prática, vamos desenvolver uma pequena aplicação que identifica a latitude e longitude do dispositivo
  - Uso de geolocalização
  - Pode ser usado para rastreamento

## Para iniciar o projeto:

ng new (nome do projeto)

Na pasta (nome do projeto> >src> app

No arquivo: app.component.html [Digitar]

```
<! -- * * * * * * * * * * * * * * * * * *  
* * * * * * * * * * * * * * * * * * -->  
  
<div class="h2 bg-success text-white">  
    <h3 class="mb-4 ml-1" style="text-shadow: 2px 2px 4px gray" >  
        <span class="icon">  
            <i class="fas fa-globe-americas"></i>
```

```

    </span>
    Localização
  </h3>
</div>
<div class="m1-3">
  <h1> Latitude: {{ latitude }} <br>
  Longitude: {{ longitude }} </h1>

  <div class="btn btn-success text-
secondary">
    <a class="text-white"
[href]="map_url"> Onde estou? (Google
Maps) </a>
  </div>
  <hr>
  <button class="btn btn-success text-
white" data-toggle="collapse" data-
target="#rastros">Rastreamento</button>

  <div id="rastros" class="collapse">
    <h1> Latitude: {{ latitude2 }} <br>
    Longitude: {{ longitude2 }} </h1>
  </div>
</div>

```

No arquivo index.html [digitar]

```
<!doctype html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <title>Appgeo</title>
  <base href="/">
  <meta name="viewport"
content="width=device-width, initial-
scale=1">
  <link rel="icon" type="image/x-icon"
href="favicon.ico">

  <!-- ===== BOOTSTRAP ===== -->
  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
integrity="sha384-
TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMe
d4M0jlfIDPvg6uqKI2xXr2"
crossorigin="anonymous">

  <script
src="https://code.jquery.com/jquery-
3.5.1.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MV
```

```
BnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap
p@4.5.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7
RsweNrtN/tE3MoK7ZeZDyx"
crossorigin="anonymous"></script>

<link rel="stylesheet"
href="https://use.fontawesome.com/releases
/v5.7.0/css/all.css"
crossorigin="anonymous">

  <link rel="manifest"
href="manifest.webmanifest">
  <meta name="theme-color"
content="#1976d2">
</head>
<body>
  <app-root></app-root>
  <noscript>Please enable JavaScript to
continue using this
application.</noscript>
</body>
```

```
</html>
```

No arquivo app.module.ts [digitar]

```
import { BrowserModule } from
 '@angular/platform-browser';
import { NgModule } from '@angular/core';

import { AppComponent } from
 './app.component';
import { ServiceWorkerModule } from
 '@angular/service-worker';
import { environment } from
 '../environments/environment';

@NgModule({
  declarations: [
    AppComponent
  ],
  imports: [
    BrowserModule,
    ServiceWorkerModule.register('ngsw-
worker.js', {
      enabled: environment.production,
```

```

        // Register the ServiceWorker as
        soon as the app is stable
        // or after 30 seconds (whichever
        comes first).
        registrationStrategy:
        'registerWhenStable:30000'
    })
    ],
    providers: [],
    bootstrap: [AppComponent]
})
export class AppModule { }

```

No arquivo app.component.ts [digitar]

```

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

@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})

export class AppComponent implements
OnInit {
  title = 'appgeo';

```

```
map_url = "";
latitude = 0;
longitude = 0;

teste=0;
latitude2 = 0;
longitude2 = 0;

ngOnInit() {
  this.verifica_local();
}

verifica_local() {
  if (navigator.geolocation) {

    navigator.geolocation.getCurrentPosition(
      (pos) => {
        this.latitude =
pos.coords.latitude;
        this.longitude =
pos.coords.longitude;
        this.map_url =
'https://www.google.com/maps/search/?api=1
&query='+this.latitude+', '+this.longitude;
      },
      () => {
        alert("Sem localização!");
      },
    );
  }
}
```

```
        { timeout: 15000 }
    );
    navigator.geolocation.watchPosition(
        (pos) => {
            this.latitude2 =
pos.coords.latitude;
            this.longitude2 =
pos.coords.longitude;
        },
        () => {
            alert("Sem rastreamento!");
        },
        { timeout: 15000 }
    );

} else {
    alert("Sem permissão!")
}
}
}
```

Abrir o terminal, na pasta do projeto, executar o ng serve