App.component.html:

<b>Observables Demo</b>

<h6 style="margin-bottom: 0">VALUES:</h6>

<div \*ngFor="let value of numArray"> {{ value }}</div>

<div style="margin-bottom: 0">ERRORS: {{ errors }}</div>

<div style="margin-bottom: 0">finished: {{ finished }}</div>

<button style="margin-top: 2rem;" (click)="fetchData()">Fetch Data</button>

App.component.ts:

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

import { Observable } from 'rxjs';

@Component({

selector: 'app-root',

templateUrl: './app.component.html',

styleUrls: ['./app.component.css']

})

export class AppComponent {

data!: Observable<number>;

numArray: number[] = [];

errors!: boolean;

finished!: boolean;

fetchData() {

this.data = new Observable(observer => {

setTimeout(() => { observer.next(10); }, 1000),

setTimeout(() => { observer.next(20); }, 2000),

setTimeout(() => { observer.complete(); }, 3000);

});

const sub = this.data.subscribe((value) => this. numArray.push(value),

error => this.errors = true,

() => this.finished = true);

}

}

