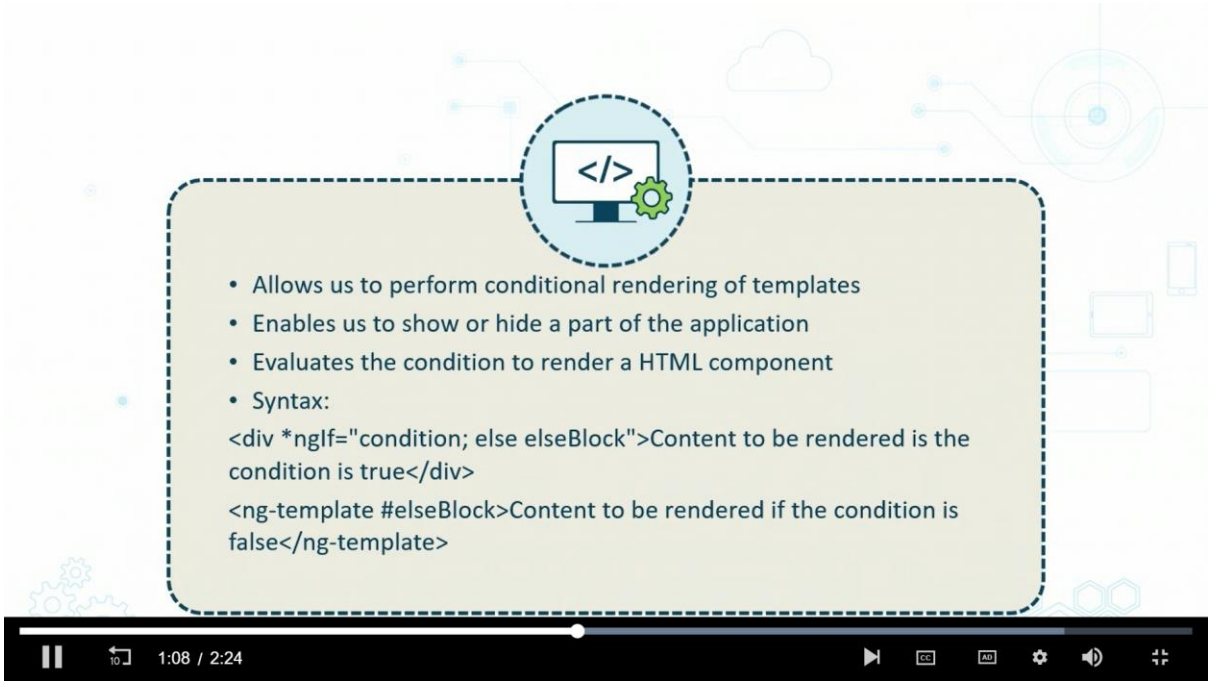
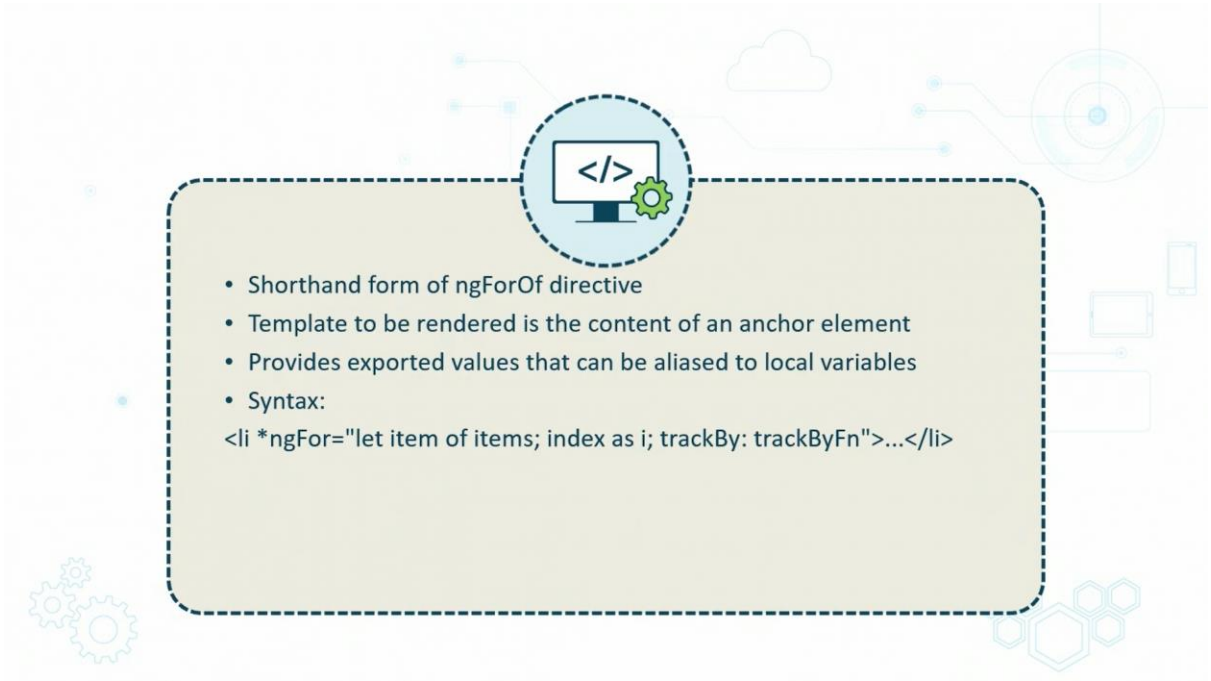
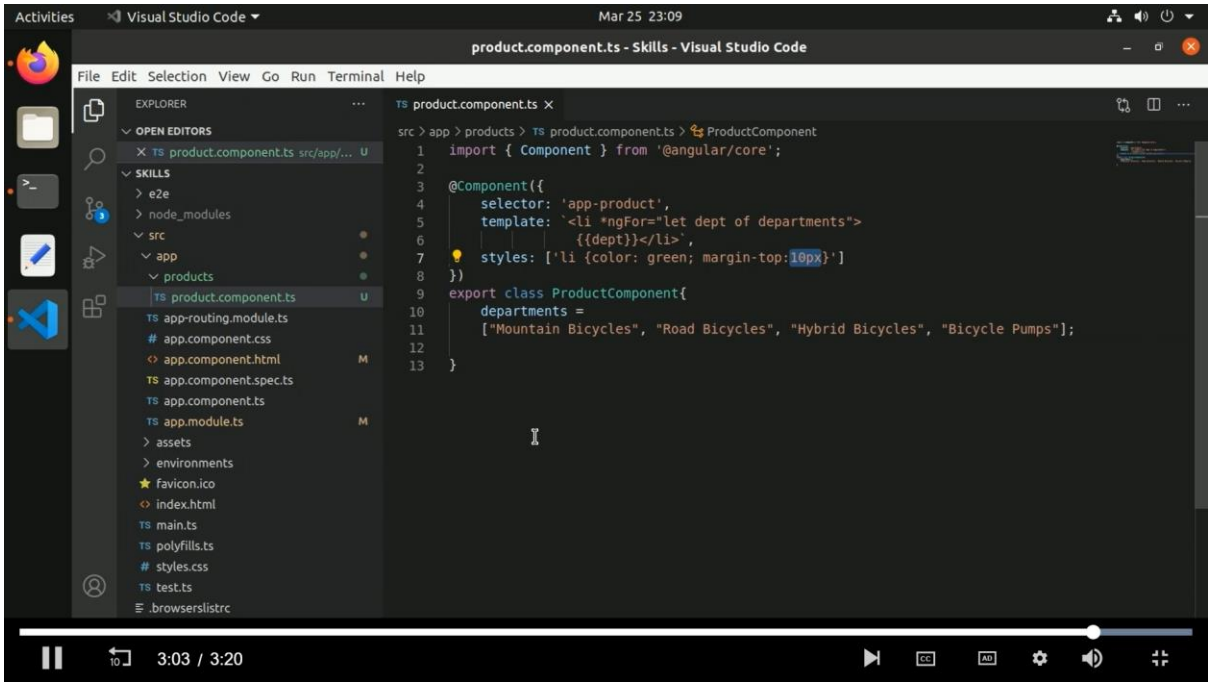
Adding Logic to component using ngIf



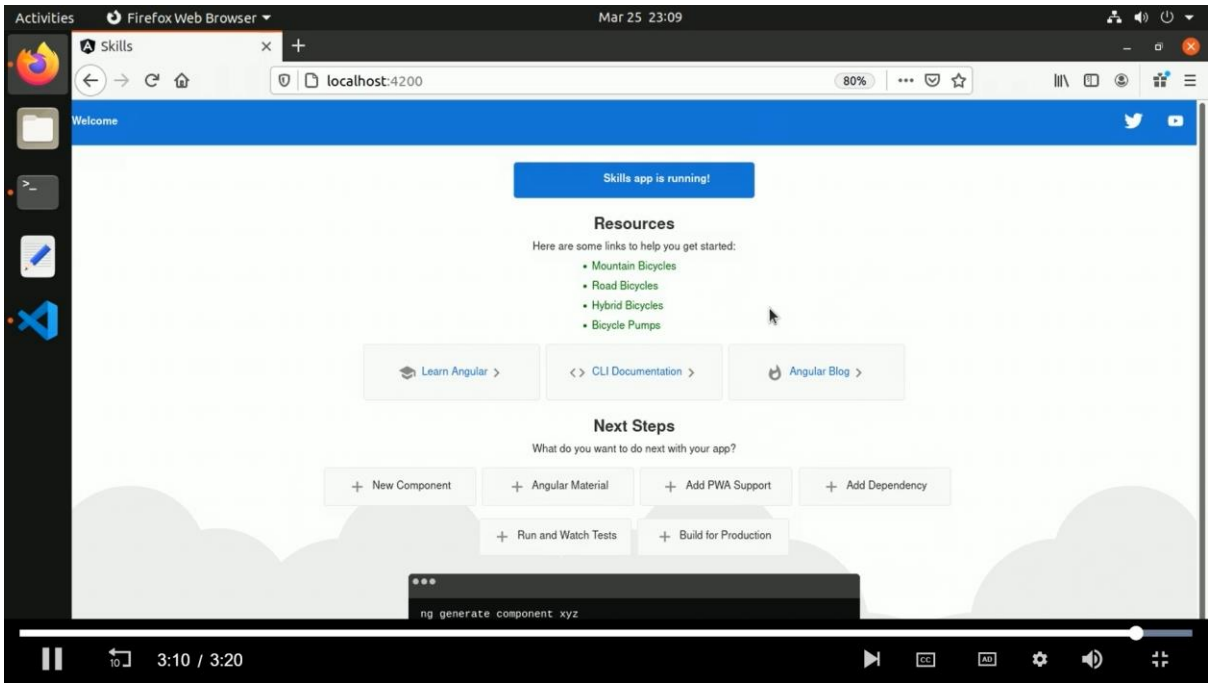
Ngfor



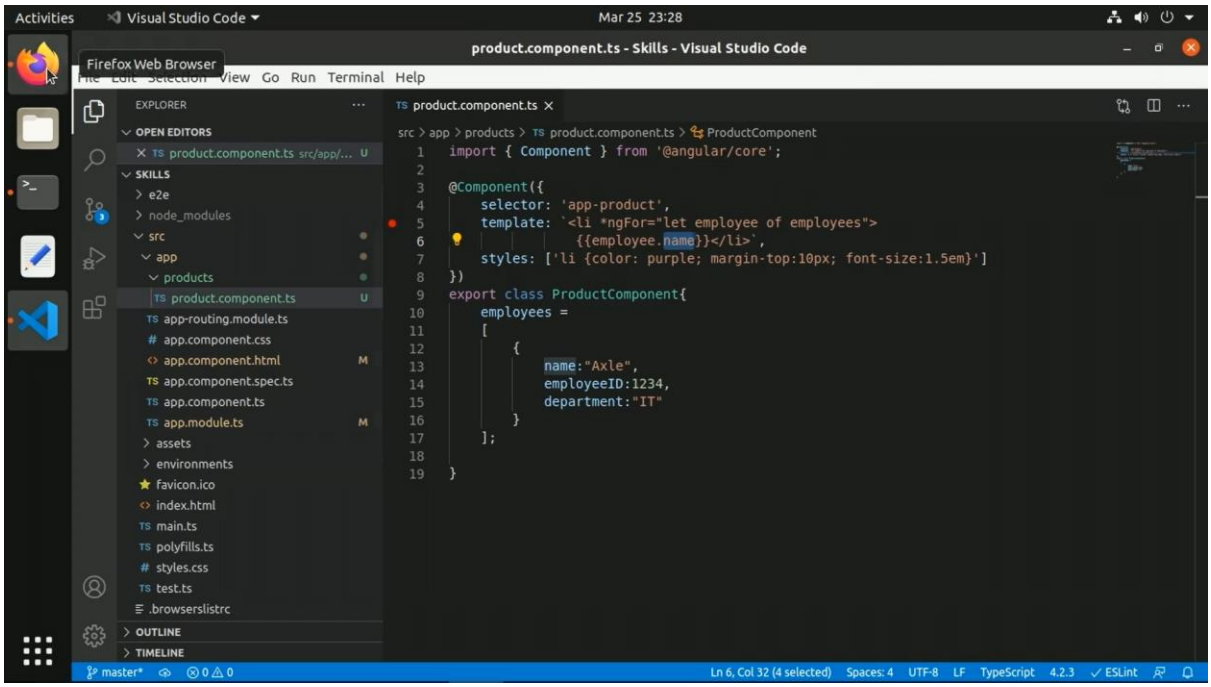
Iterating array with ngFor

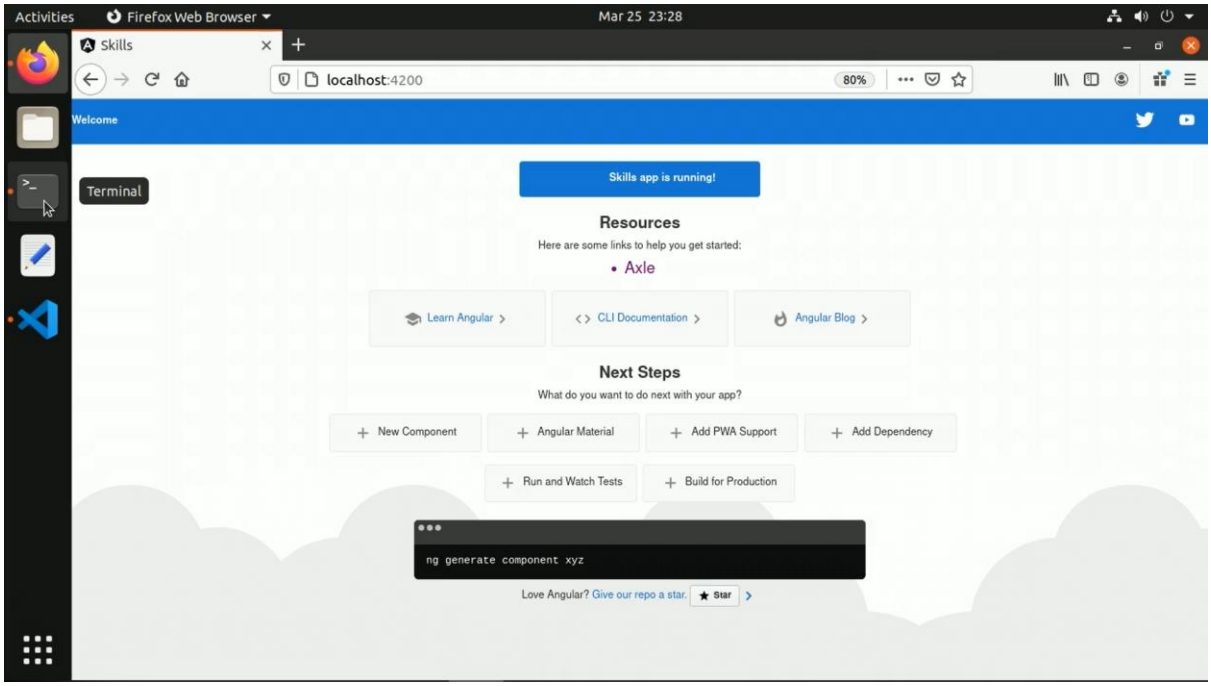

Activities
Visual Studio Code
Mar 25 23:09
product.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
product.component.ts src/app/... U
SKILLS
e2e
node_modules
src
app
products
product.component.ts U
app-routing.module.ts
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
test.ts
.browserslistrc
product.component.ts
src > app > products > product.component.ts > ProductComponent
import { Component } from '@angular/core';
@Component({
selector: 'app-product',
template: `<li *ngFor="let dept of departments">
{{dept}}
`,
styles: ['li {color: green; margin-top:10px}']
})
export class ProductComponent{
departments =
["Mountain Bicycles", "Road Bicycles", "Hybrid Bicycles", "Bicycle Pumps"];
}
3:03 / 3:20

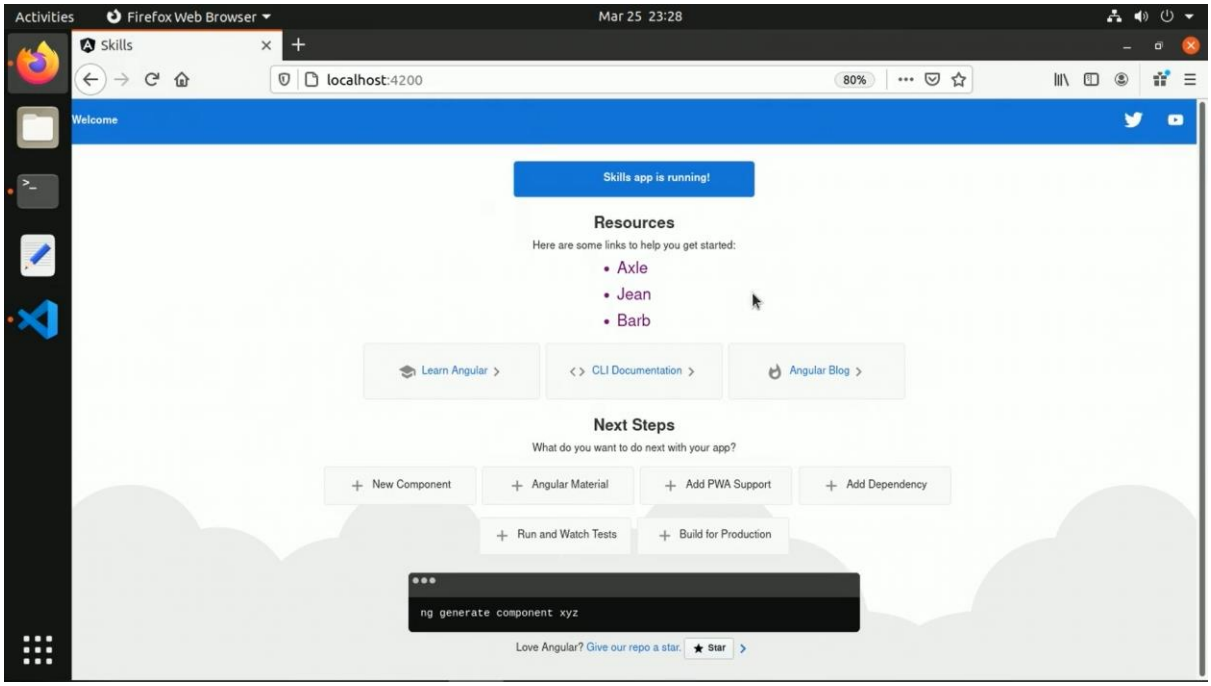
Out

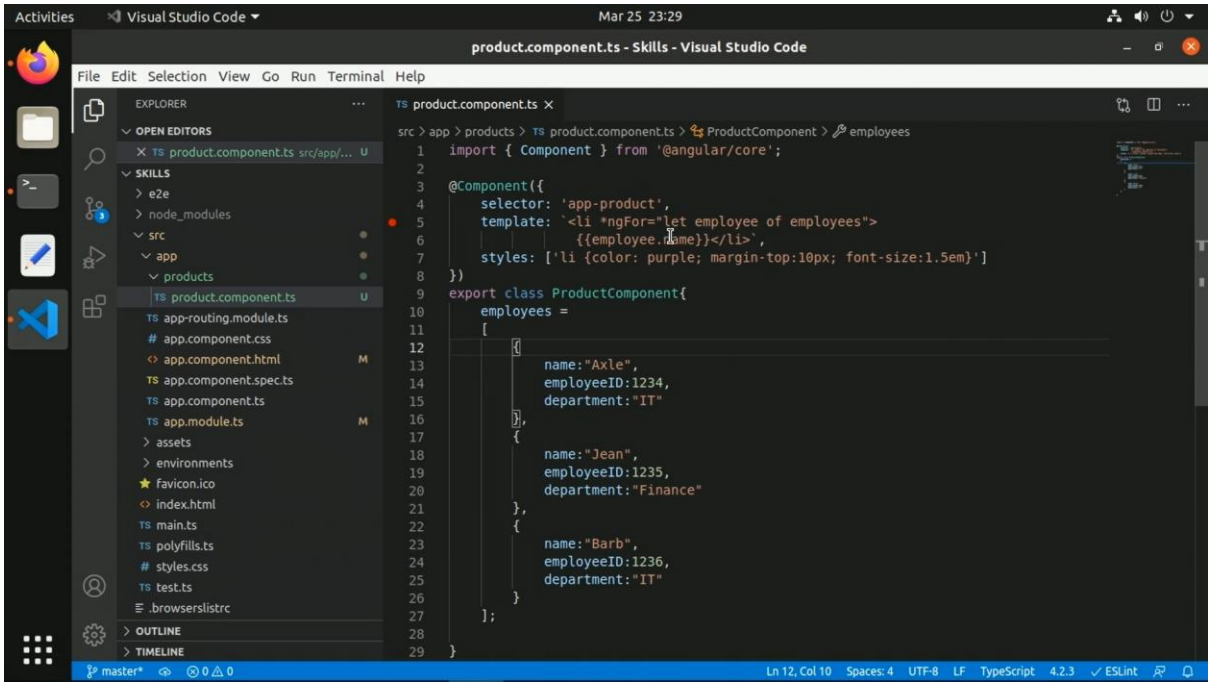

Activities
Firefox Web Browser
Mar 25 23:09
Skills
localhost:4200
80%
Welcome
Skills app is running!
Resources
Here are some links to help you get started:
Mountain Bicycles
Road Bicycles
Hybrid Bicycles
Bicycle Pumps
Learn Angular
CLI Documentation
Angular Blog
Next Steps
What do you want to do next with your app?
New Component
Angular Material
Add PWA Support
Add Dependency
Run and Watch Tests
Build for Production
ng generate component xyz
3:10 / 3:20

Iterating through complex objects

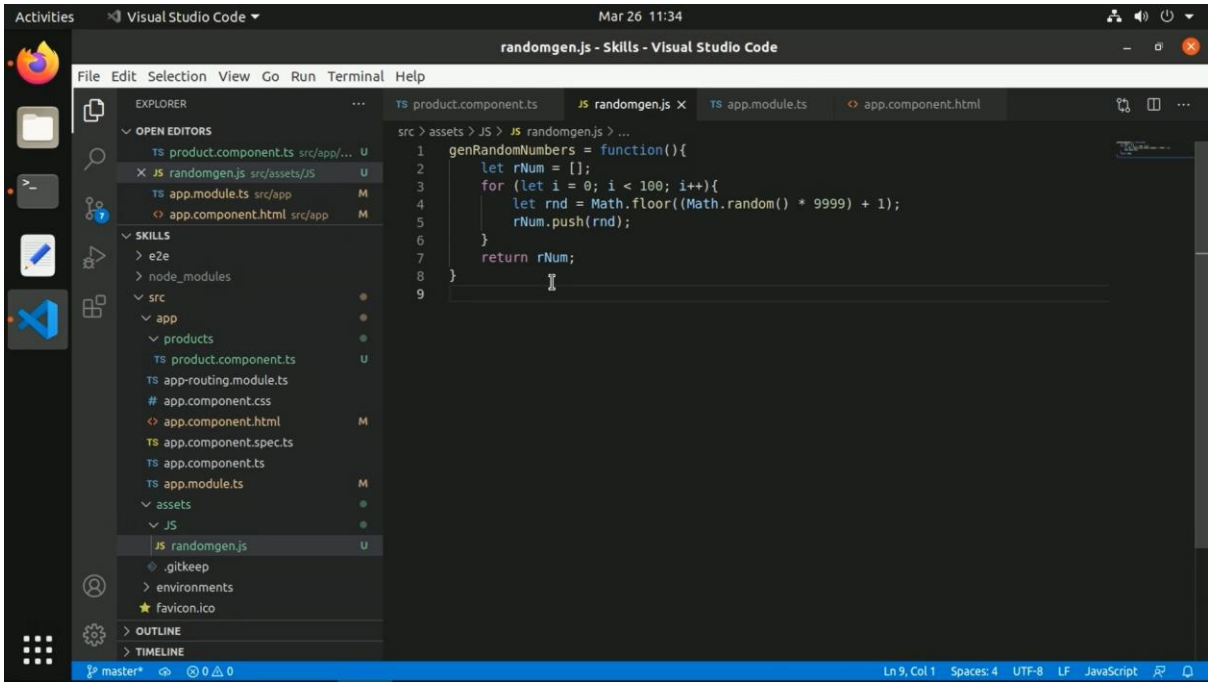


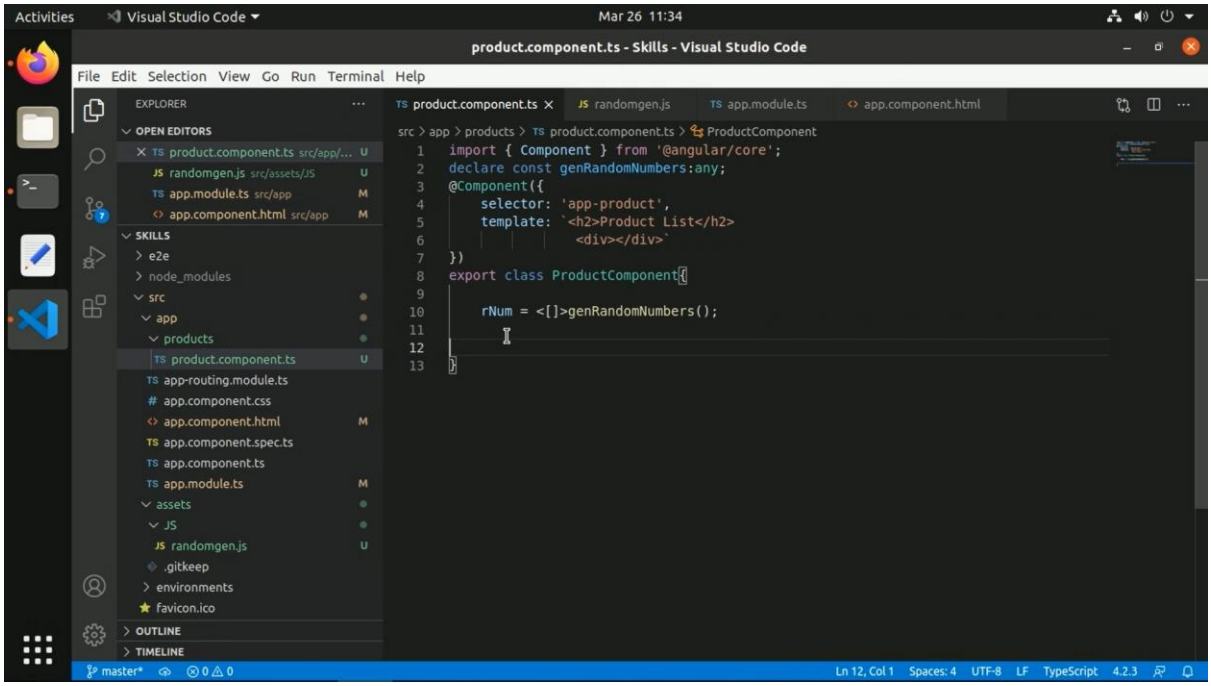


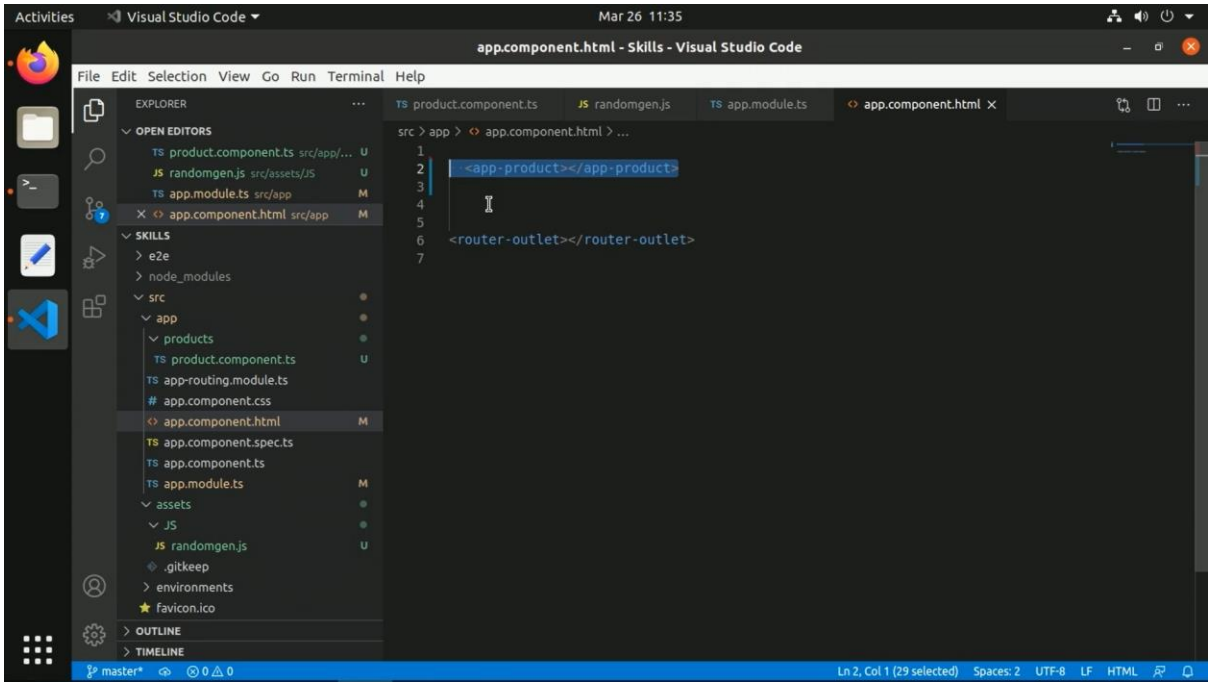


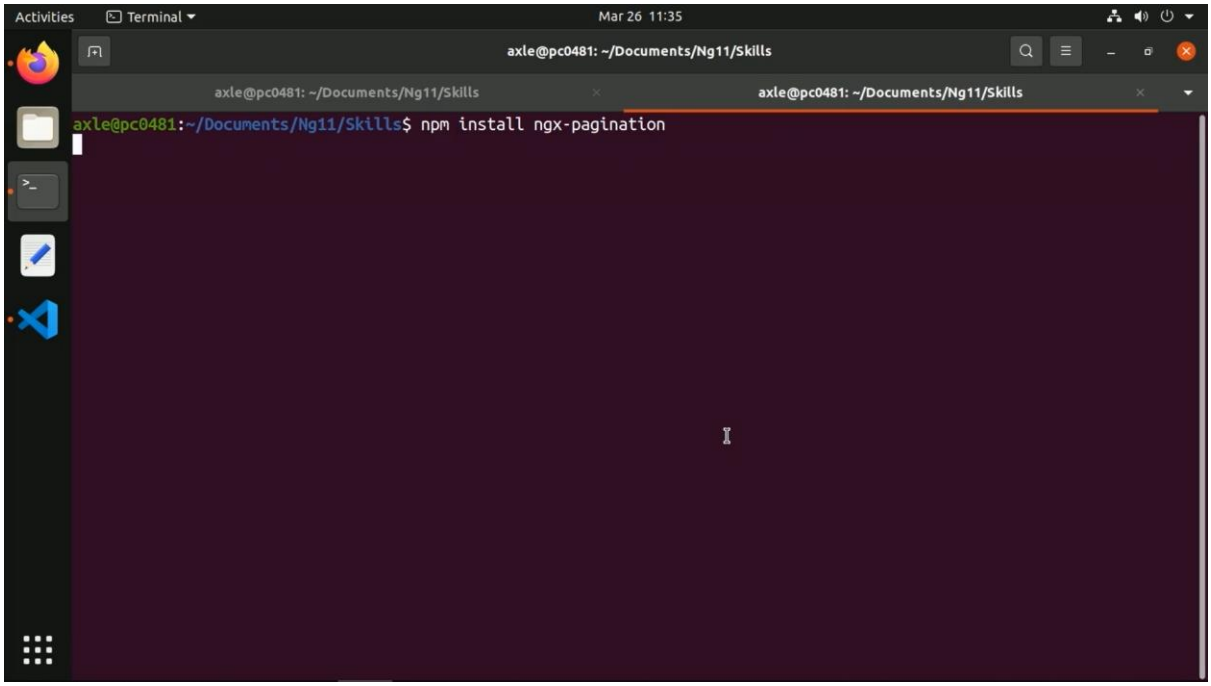


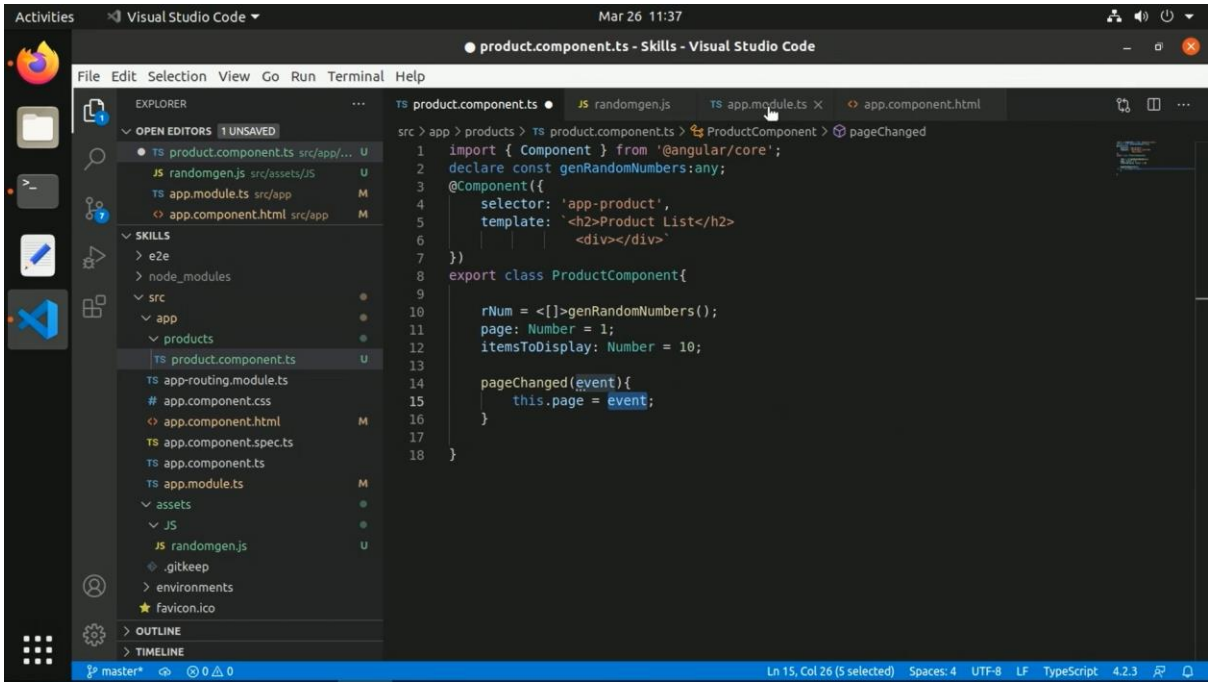
Implementing Pagination in Angular

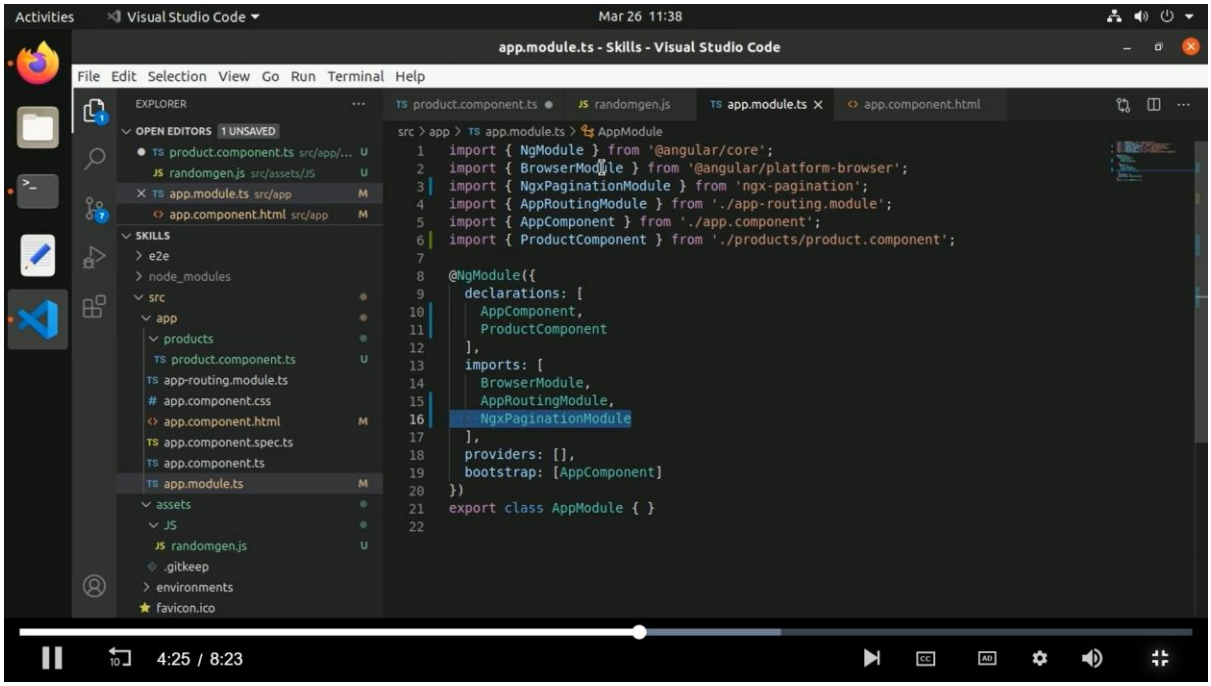

Activities
Visual Studio Code
Mar 26 11:34
randomgen.js - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
product.component.ts src/app/... U
randomgen.js src/assets/JS U
app.module.ts src/app M
app.component.html src/app M
SKILLS
e2e
node_modules
src
app
products
product.component.ts U
app-routing.module.ts
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
assets
JS
randomgen.js U
.gitkeep
environments
favicon.ico
OUTLINE
TIMELINE
product.component.ts
randomgen.js
app.module.ts
app.component.html
src > assets > JS > randomgen.js > ...
genRandomNumbers = function(){
let rNum = [];
for (let i = 0; i < 100; i++){
let rnd = Math.floor((Math.random() * 9999) + 1);
rNum.push(rnd);
}
return rNum;
}
master*
0 0
Ln 9, Col 1
Spaces: 4
UTF-8
LF
JavaScript

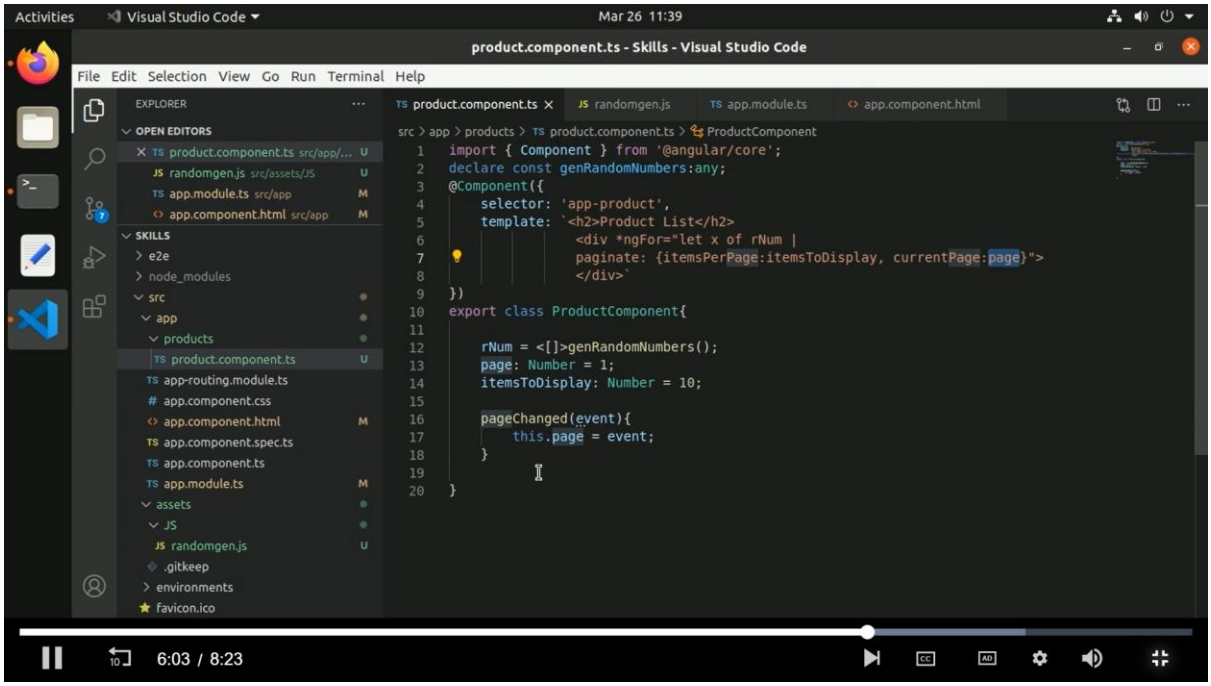

Activities
Visual Studio Code
Mar 26 11:34
product.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
product.component.ts src/app/... U
randomgen.js src/assets/JS U
app.module.ts src/app M
app.component.html src/app M
SKILLS
e2e
node_modules
src
app
products
product.component.ts U
app-routing.module.ts
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
assets
JS
randomgen.js U
.gitkeep
environments
favicon.ico
OUTLINE
TIMELINE
product.component.ts
randomgen.js
app.module.ts
app.component.html
src > app > products > product.component.ts > ProductComponent
import { Component } from '@angular/core';
declare const genRandomNumbers:any;
@Component({
selector: 'app-product',
template: `<h2>Product List</h2>
`
})
export class ProductComponent{
rNum = <[]>genRandomNumbers();
}
master*
0 0
Ln 12, Col 1
Spaces: 4
UTF-8
LF
TypeScript
4.2.3

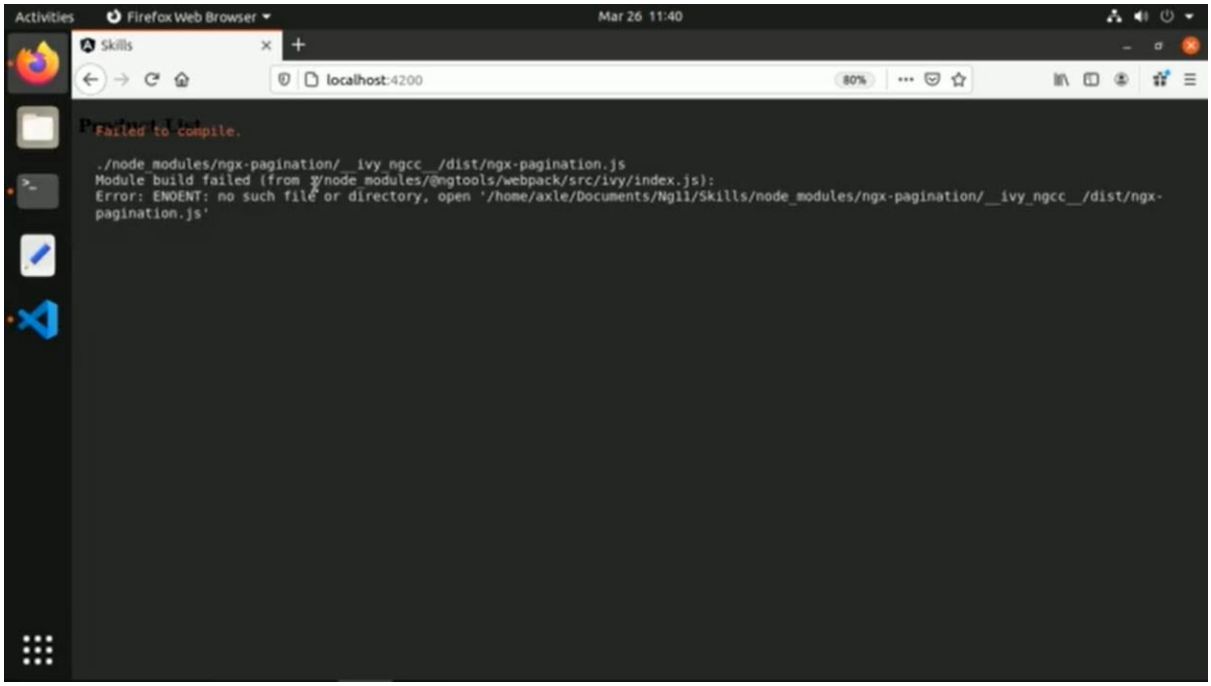

Activities
Visual Studio Code
Mar 26 11:35
app.component.html - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
product.component.ts src/app/... U
randomgen.js src/assets/JS U
app.module.ts src/app M
app.component.html src/app M
SKILLS
e2e
node_modules
src
app
products
product.component.ts U
app-routing.module.ts
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
assets
JS
randomgen.js U
.gitkeep
environments
favicon.ico
OUTLINE
TIMELINE
product.component.ts
randomgen.js
app.module.ts
app.component.html
src > app > app.component.html > ...
1
2 <app-product></app-product>
3
4
5
6 <router-outlet></router-outlet>
7
master*
0 0
Ln 2, Col 1 (29 selected)
Spaces: 2
UTF-8
LF
HTML

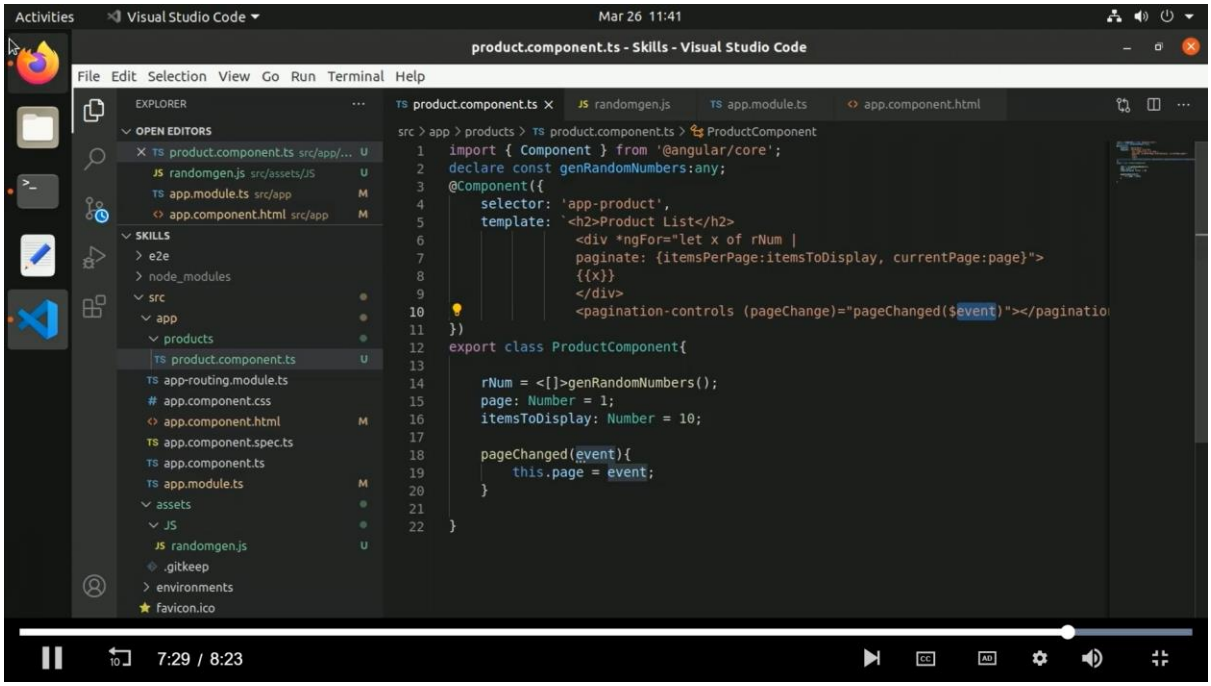

Activities
Terminal
Mar 26 11:35
axle@pc0481: ~/Documents/Ng11/Skills
axle@pc0481: ~/Documents/Ng11/Skills
axle@pc0481: ~/Documents/Ng11/Skills
axle@pc0481:~/Documents/Ng11/Skills$ npm install ngx-pagination

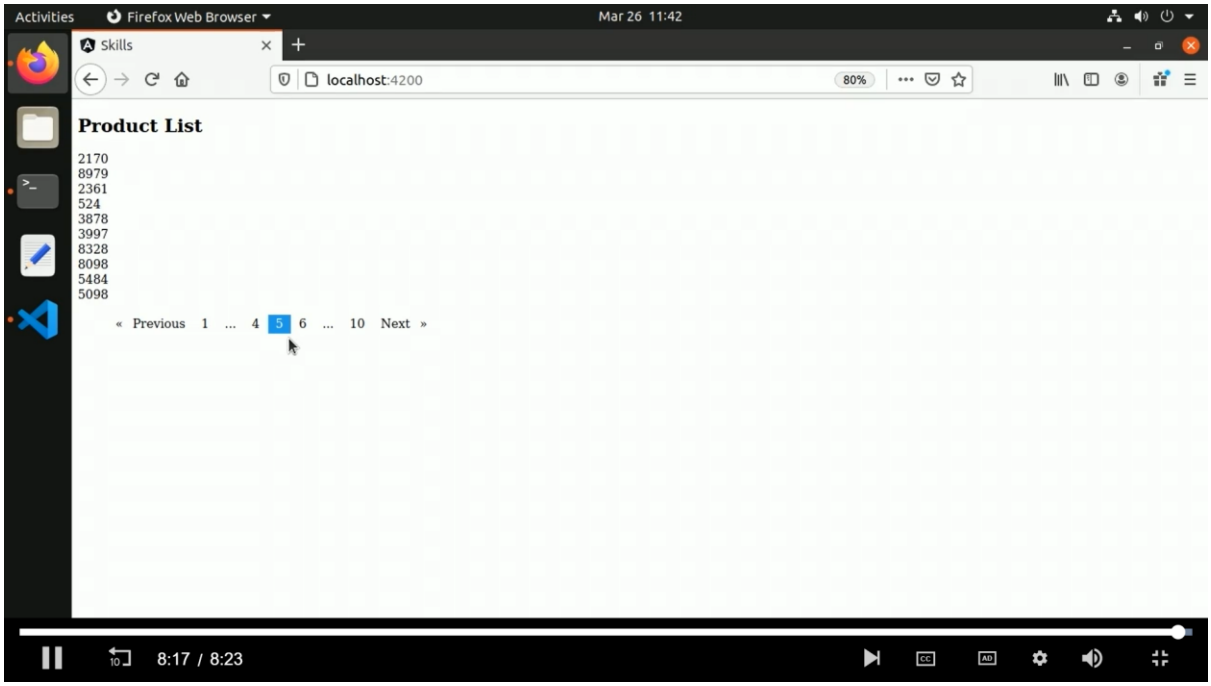

Activities
Visual Studio Code
Mar 26 11:37
product.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS 1 UNSAVED
product.component.ts src/app/... U
randomgen.js src/assets/JS U
app.module.ts src/app M
app.component.html src/app M
SKILLS
e2e
node_modules
src
app
products
product.component.ts U
app-routing.module.ts
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
assets
JS
randomgen.js U
.gitkeep
environments
favicon.ico
OUTLINE
TIMELINE
product.component.ts
randomgen.js
app.module.ts
app.component.html
src > app > products > product.component.ts > ProductComponent > pageChanged
import { Component } from '@angular/core';
declare const genRandomNumbers:any;
@Component({
selector: 'app-product',
template: `<h2>Product List</h2>
`
})
export class ProductComponent{
rNum = <[]>genRandomNumbers();
page: Number = 1;
itemsToDisplay: Number = 10;
pageChanged(event){
this.page = event;
}
}
master*
0 0
Ln 15, Col 26 (5 selected)
Spaces: 4
UTF-8
LF
TypeScript
4.2.3


Activities
Visual Studio Code
Mar 26 11:38
app.module.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS 1 UNSAVED
product.component.ts src/app/... U
randomgen.js src/assets/JS U
app.module.ts src/app M
app.component.html src/app M
SKILLS
e2e
node_modules
src
app
products
product.component.ts U
app-routing.module.ts
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
assets
JS
randomgen.js U
.gitkeep
environments
favicon.ico
product.component.ts
randomgen.js
app.module.ts
app.component.html
src > app > app.module.ts > AppModule
import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';
import { NgxPaginationModule } from 'ngx-pagination';
import { AppRoutingModule } from './app-routing.module';
import { AppComponent } from './app.component';
import { ProductComponent } from './products/product.component';
@NgModule({
declarations: [
AppComponent,
ProductComponent
],
imports: [
BrowserModule,
AppRoutingModule,
NgxPaginationModule
],
providers: [],
bootstrap: [AppComponent]
})
export class AppModule { }
4:25 / 8:23

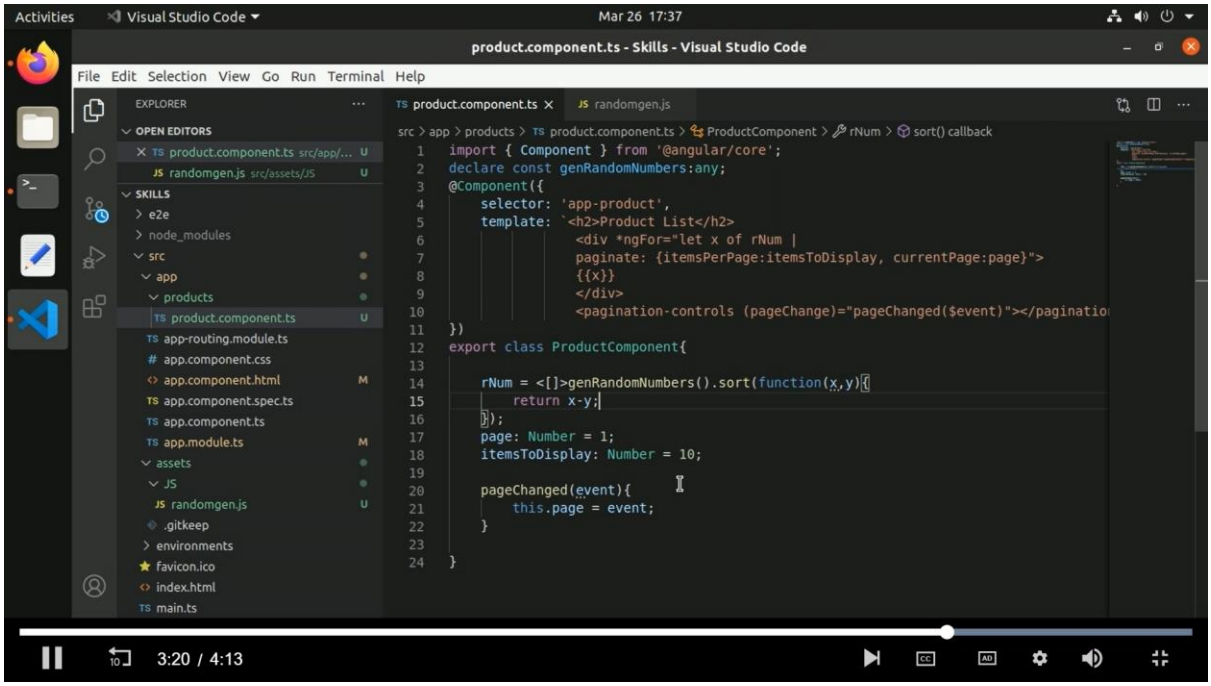

Activities
Visual Studio Code
Mar 26 11:39
product.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
product.component.ts src/app/...
randomgen.js src/assets/JS
app.module.ts src/app
app.component.html src/app
SKILLS
e2e
node_modules
src
app
products
product.component.ts
app-routing.module.ts
app.component.css
app.component.html
app.component.spec.ts
app.component.ts
app.module.ts
assets
JS
randomgen.js
.gitkeep
environments
favicon.ico
product.component.ts
randomgen.js
app.module.ts
app.component.html
src > app > products > product.component.ts > ProductComponent
import { Component } from '@angular/core';
declare const genRandomNumbers:any;
@Component({
selector: 'app-product',
template: `<h2>Product List</h2>
<div *ngFor="let x of rNum |
paginate: {itemsPerPage:itemsToDisplay, currentPage:page}">
`
})
export class ProductComponent{
rNum = <[]>genRandomNumbers();
page: Number = 1;
itemsToDisplay: Number = 10;
pageChanged(event){
this.page = event;
}
}
6:03 / 8:23

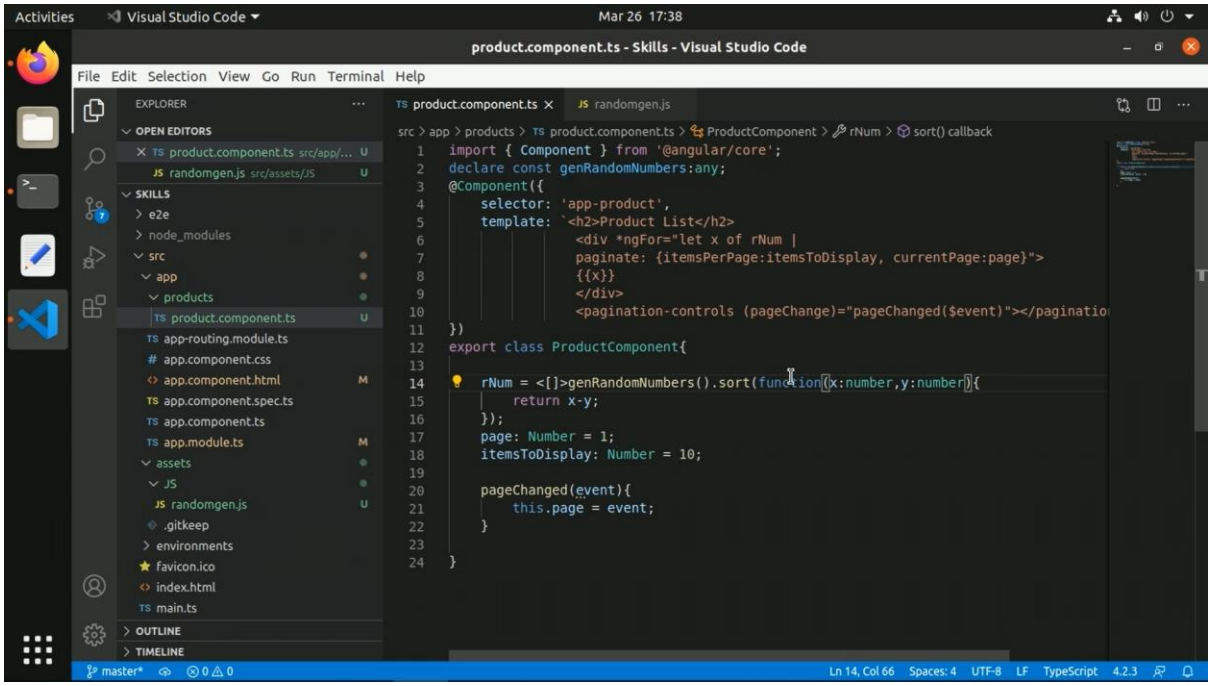

Activities
Firefox Web Browser
Mar 26 11:40
Skills
localhost:4200
80%
Failed to compile.
./node_modules/ngx-pagination/__ivy_ngcc__/dist/ngx-pagination.js
Module build failed (from ./node_modules/@ngtools/webpack/src/ivy/index.js):
Error: ENOENT: no such file or directory, open '/home/axle/Documents/Ng11/Skills/node_modules/ngx-pagination/__ivy_ngcc__/dist/ngx-pagination.js'



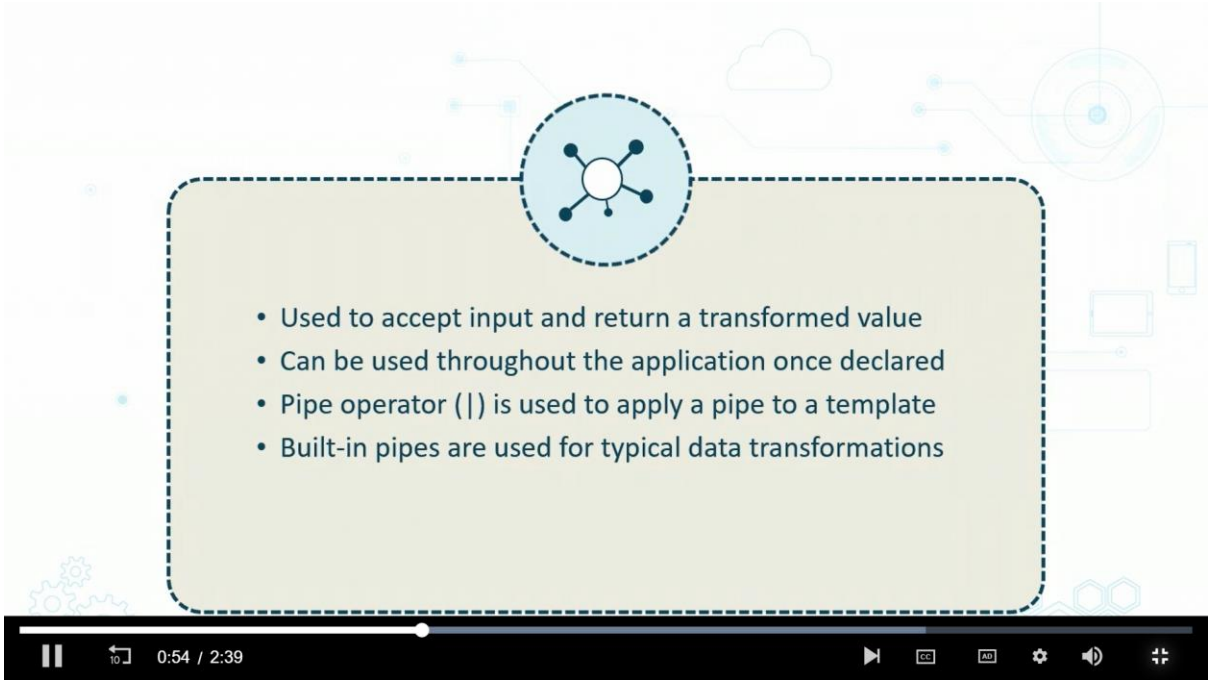


Sorting List data with angular





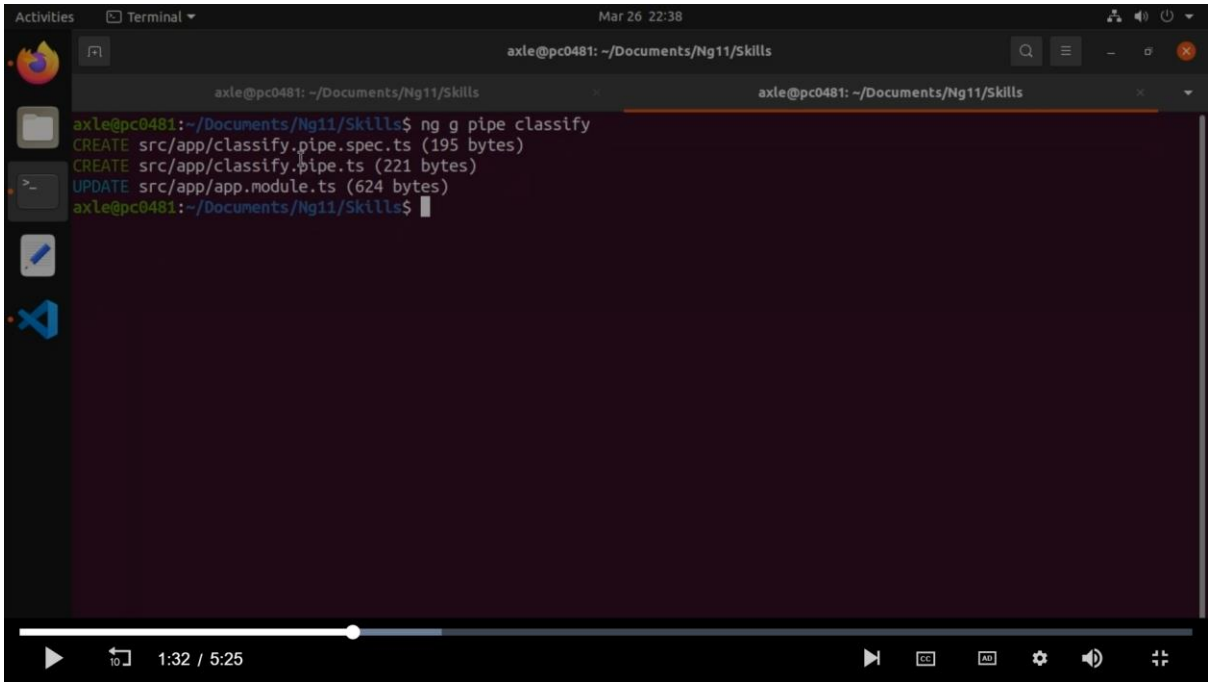
Build in pipes in angular.

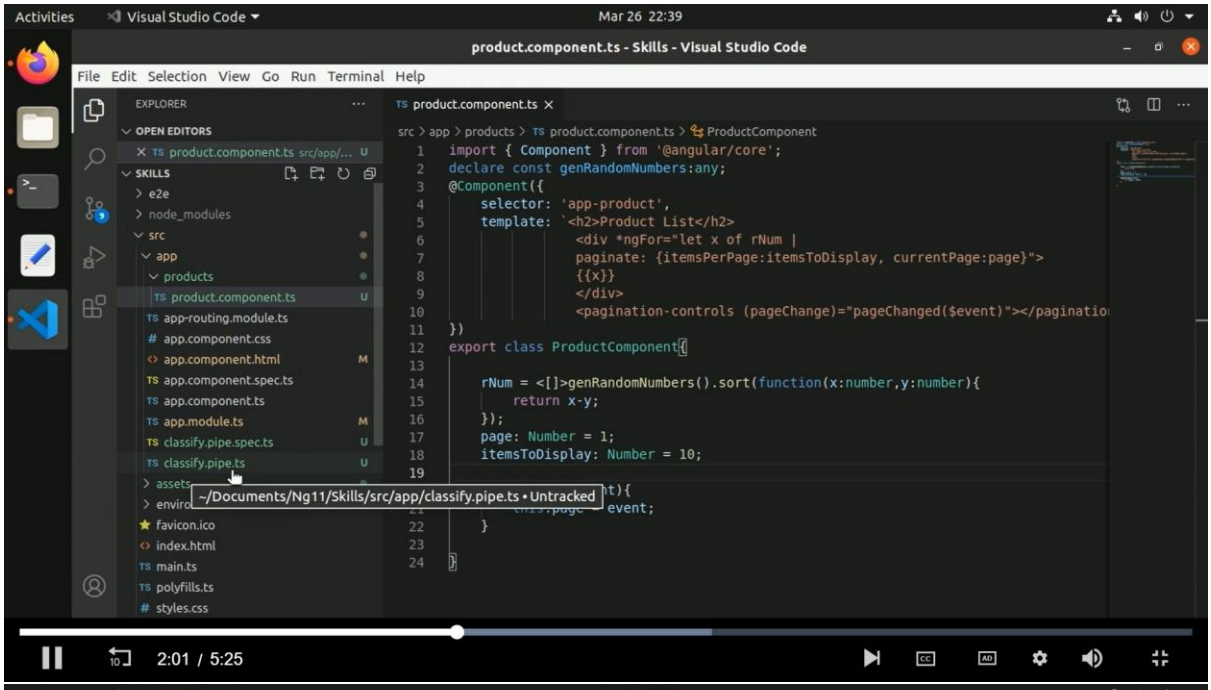


Pipe	Purpose
DatePipe	To format a date value as per the rules
UpperCasePipe	To change the text to all uppercase
LowerCasePipe	To change the text to all lowercase
CurrencyPipe	To change a number to a currency string
DecimalPipe	To change a number to a string with a decimal value
PercentPipe	To change a number to a percentage string
JsonPipe	To change a JavaScript object to a JSON string
SlicePipe	To return a slice of an array
AsyncPipe	To accept an observable and render the output

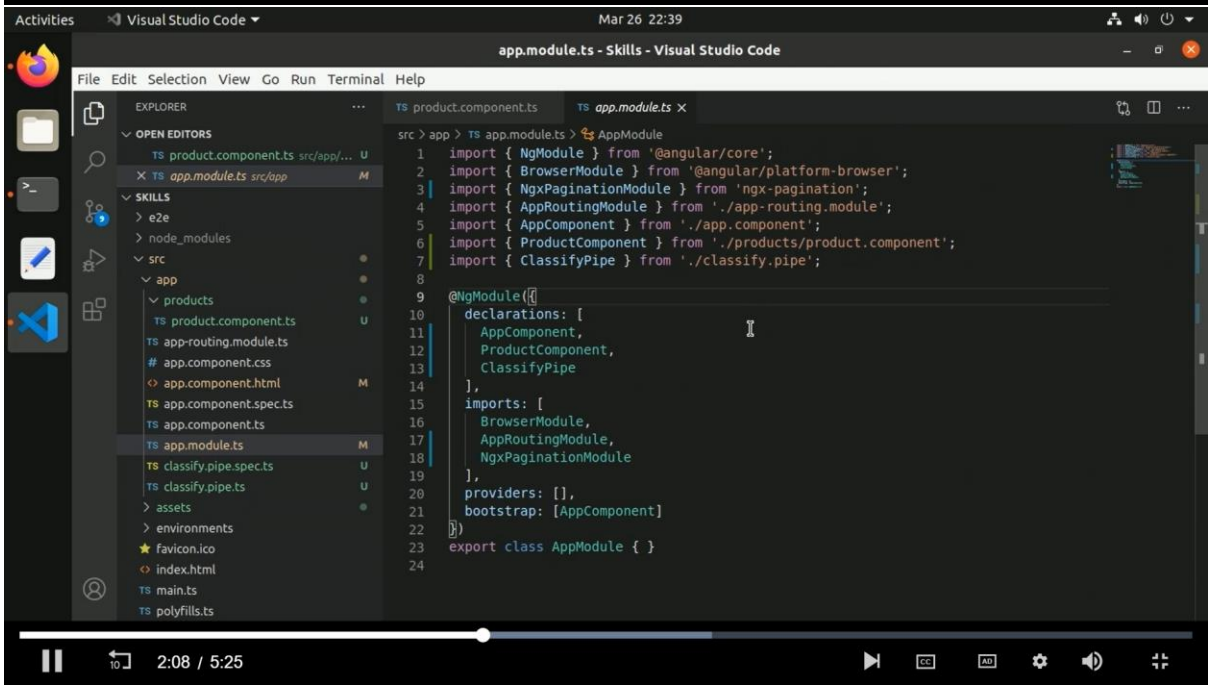
Custom pipes in angular

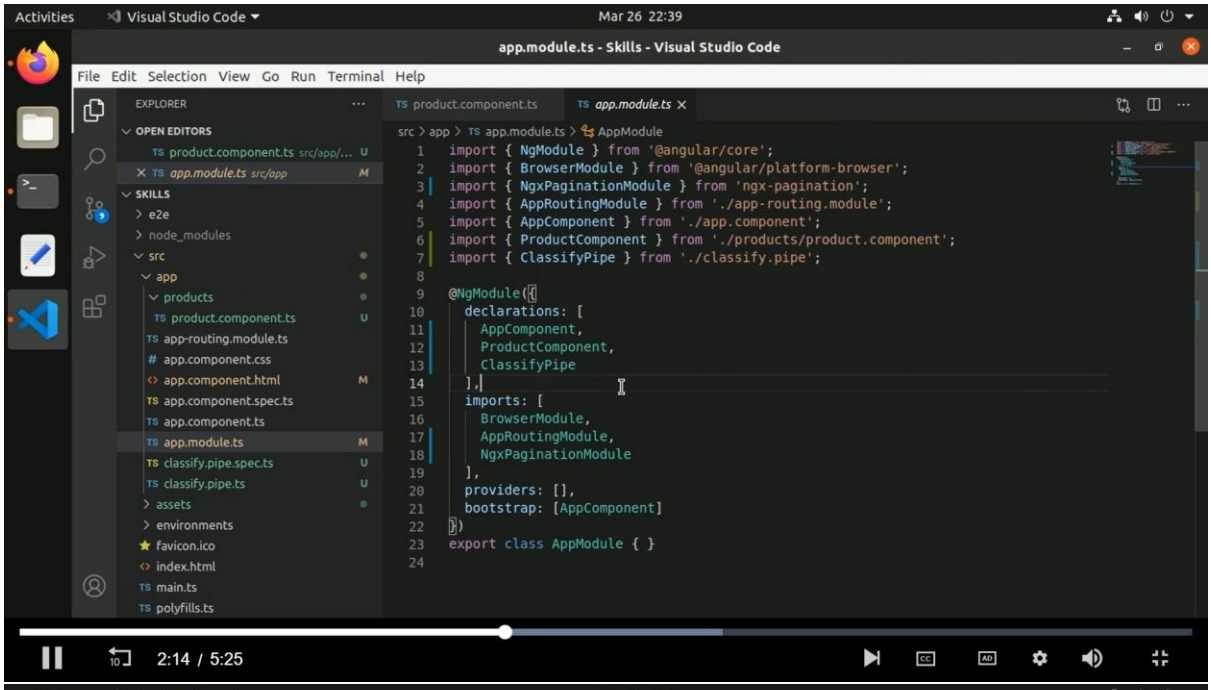
Ng g pipe classify

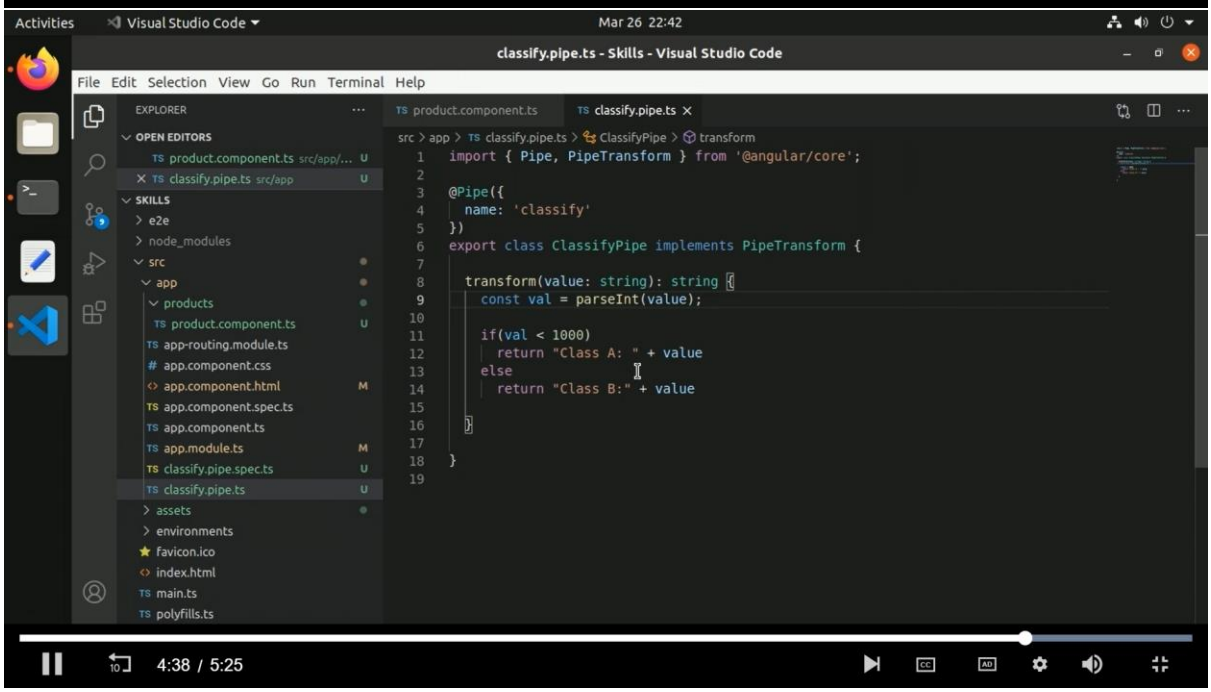

Activities
Terminal
Mar 26 22:38
axle@pc0481: ~/Documents/Ng11/Skills
axle@pc0481: ~/Documents/Ng11/Skills
axle@pc0481: ~/Documents/Ng11/Skills
axle@pc0481:~/Documents/Ng11/Skills$ ng g pipe classify
CREATE src/app/classify.pipe.spec.ts (195 bytes)
CREATE src/app/classify.pipe.ts (221 bytes)
UPDATE src/app/app.module.ts (624 bytes)
axle@pc0481:~/Documents/Ng11/Skills$
1:32 / 5:25

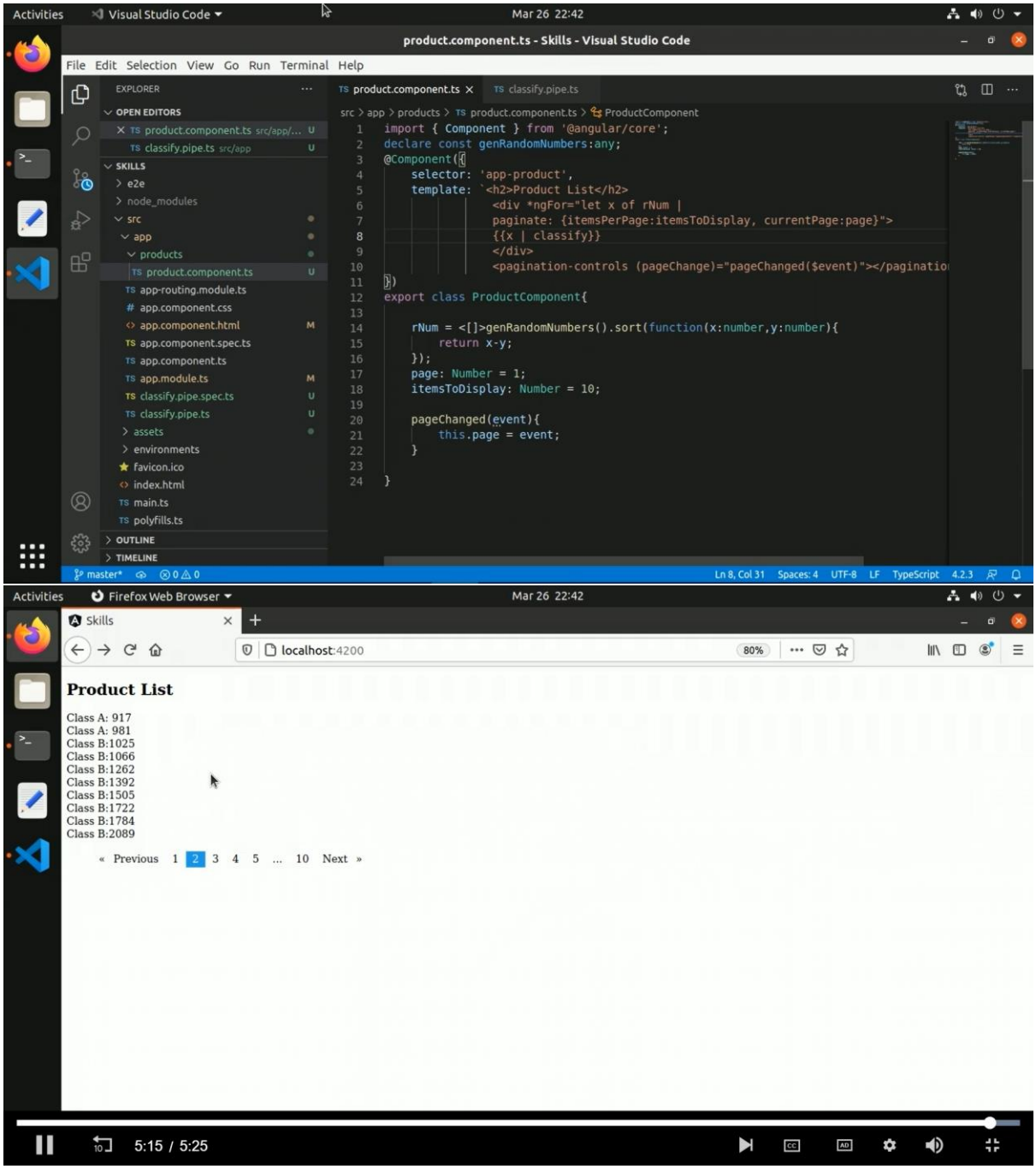

Activities
Visual Studio Code
Mar 26 22:39
product.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
product.component.ts src/app/... U
SKILLS
e2e
node_modules
src
app
products
product.component.ts U
app-routing.module.ts
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
classify.pipe.spec.ts U
classify.pipe.ts U
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
product.component.ts
src > app > products > product.component.ts > ProductComponent
import { Component } from '@angular/core';
declare const genRandomNumbers:any;
@Component({
selector: 'app-product',
template: `<h2>Product List</h2>
<div *ngFor="let x of rNum |
paginate: {itemsPerPage:itemsToDisplay, currentPage:page}">
{{x}}

<pagination-controls (pageChange)="pageChanged($event)"></paginatio
})
export class ProductComponent{
rNum = <[]>genRandomNumbers().sort(function(x:number,y:number){
return x-y;
});
page: Number = 1;
itemsToDisplay: Number = 10;
~/Documents/Ng11/Skills/src/app/classify.pipe.ts • Untracked
event;
}
2:01 / 5:25

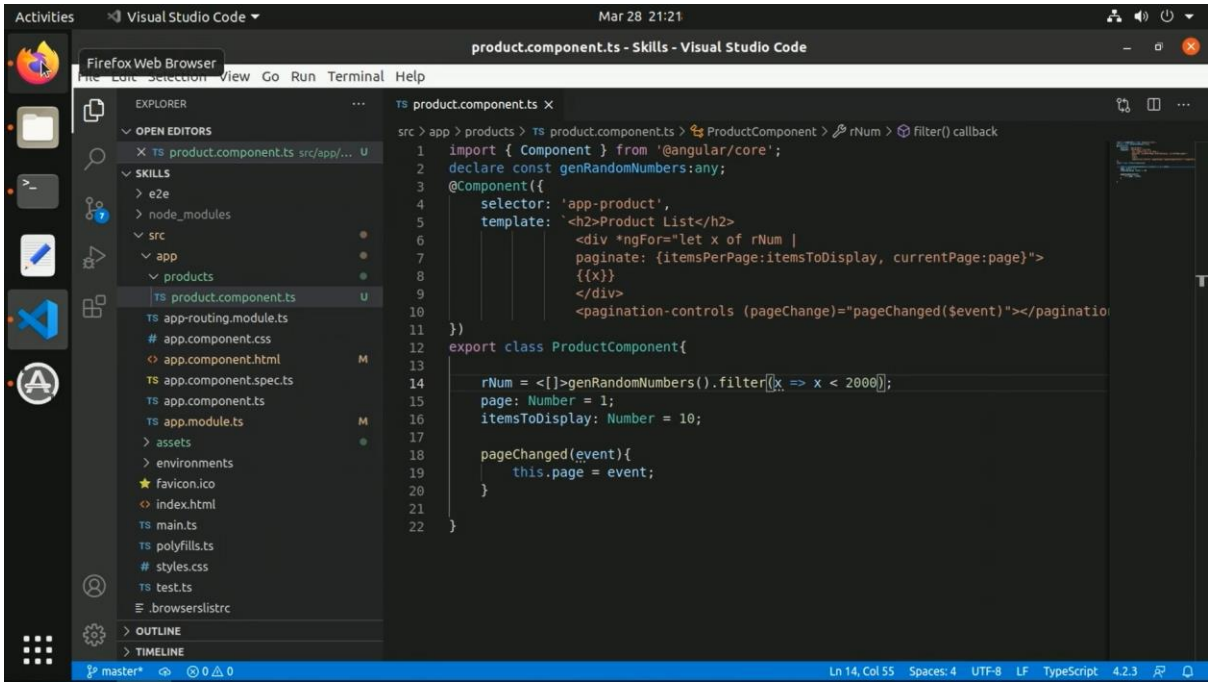

Activities
Visual Studio Code
Mar 26 22:39
app.module.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
product.component.ts src/app/... U
app.module.ts src/app M
SKILLS
e2e
node_modules
src
app
products
product.component.ts U
app-routing.module.ts
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
classify.pipe.spec.ts U
classify.pipe.ts U
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
product.component.ts
app.module.ts
src > app > app.module.ts > AppModule
import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';
import { NgxPaginationModule } from 'ngx-pagination';
import { AppRoutingModule } from './app-routing.module';
import { AppComponent } from './app.component';
import { ProductComponent } from './products/product.component';
import { ClassifyPipe } from './classify.pipe';
@NgModule({
declarations: [
AppComponent,
ProductComponent,
ClassifyPipe
],
imports: [
BrowserModule,
AppRoutingModule,
NgxPaginationModule
],
providers: [],
bootstrap: [AppComponent]
})
export class AppModule { }
2:08 / 5:25


Activities
Visual Studio Code
Mar 26 22:39
app.module.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
product.component.ts src/app/... U
app.module.ts src/app M
SKILLS
e2e
node_modules
src
app
products
product.component.ts U
app-routing.module.ts
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
classify.pipe.spec.ts U
classify.pipe.ts U
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
product.component.ts
app.module.ts
src > app > app.module.ts > AppModule
import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';
import { NgxPaginationModule } from 'ngx-pagination';
import { AppRoutingModule } from './app-routing.module';
import { AppComponent } from './app.component';
import { ProductComponent } from './products/product.component';
import { ClassifyPipe } from './classify.pipe';
@NgModule({
declarations: [
AppComponent,
ProductComponent,
ClassifyPipe
],
imports: [
BrowserModule,
AppRoutingModule,
NgxPaginationModule
],
providers: [],
bootstrap: [AppComponent]
})
export class AppModule { }
2:14 / 5:25

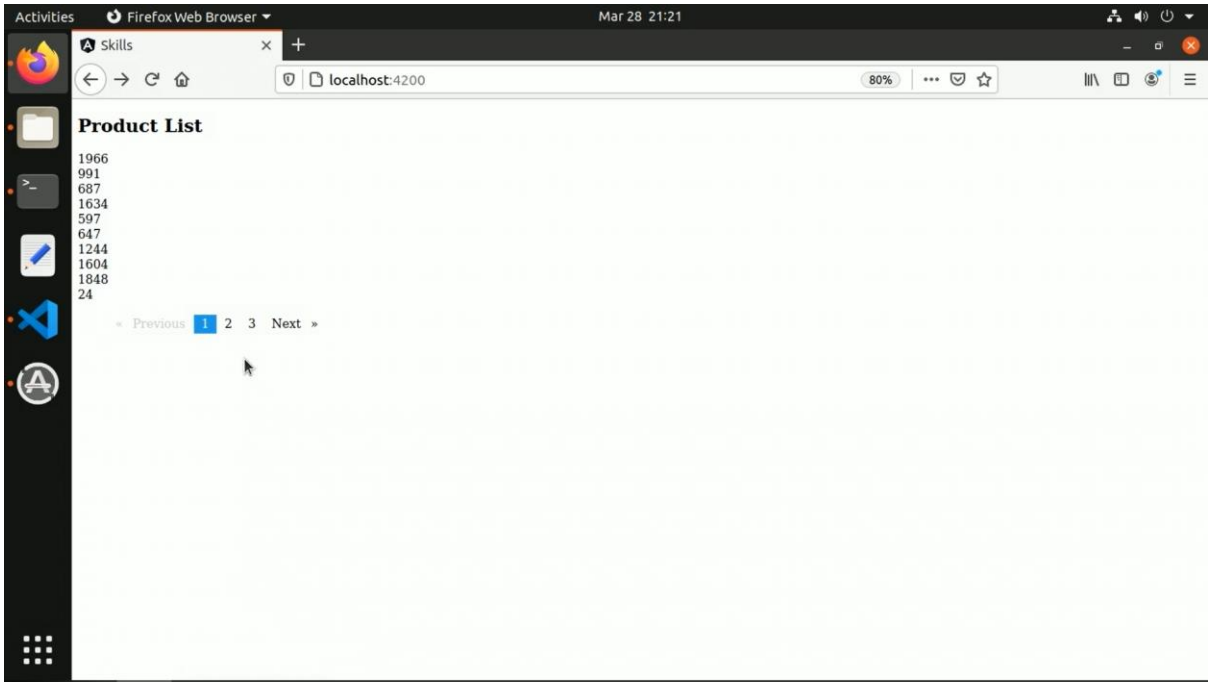

Activities
Visual Studio Code
Mar 26 22:42
classify.pipe.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
product.component.ts src/app/... U
classify.pipe.ts src/app U
SKILLS
e2e
node_modules
src
app
products
product.component.ts U
app-routing.module.ts
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
classify.pipe.spec.ts U
classify.pipe.ts U
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
product.component.ts
classify.pipe.ts
src > app > classify.pipe.ts > ClassifyPipe > transform
import { Pipe, PipeTransform } from '@angular/core';
@Pipe({
name: 'classify'
})
export class ClassifyPipe implements PipeTransform {
transform(value: string): string {
const val = parseInt(value);
if(val < 1000)
return "Class A: " + value
else
return "Class B:" + value
}
}
4:38 / 5:25

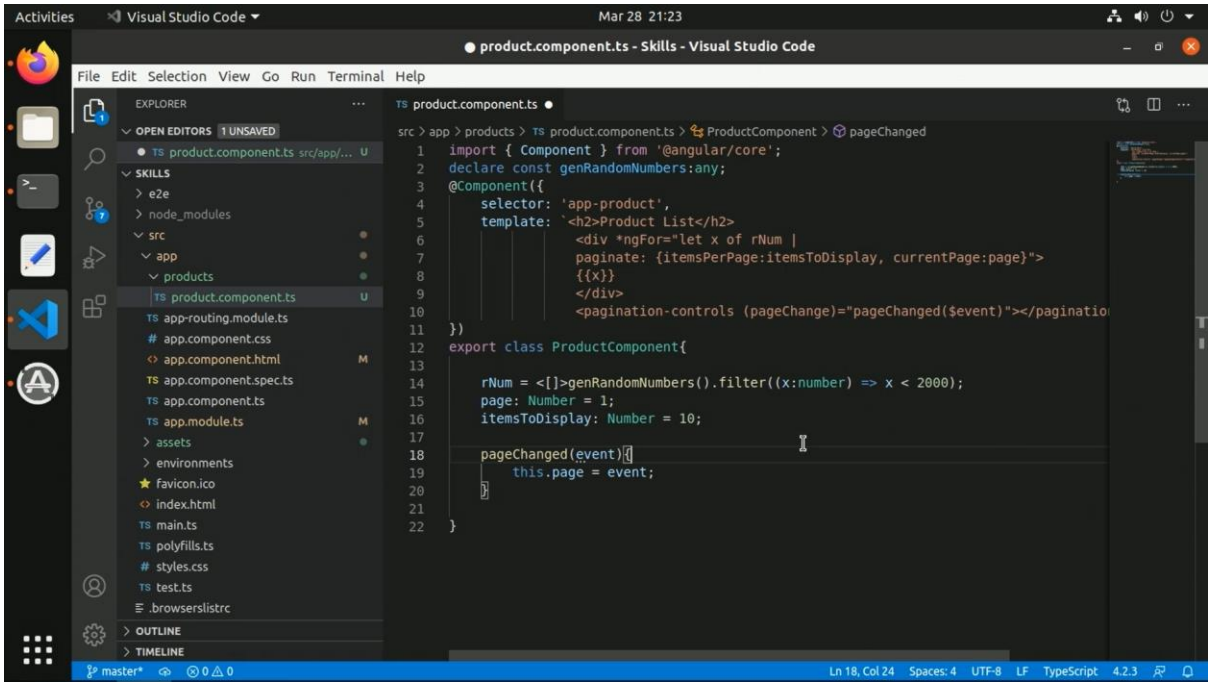


Filtering data in angular

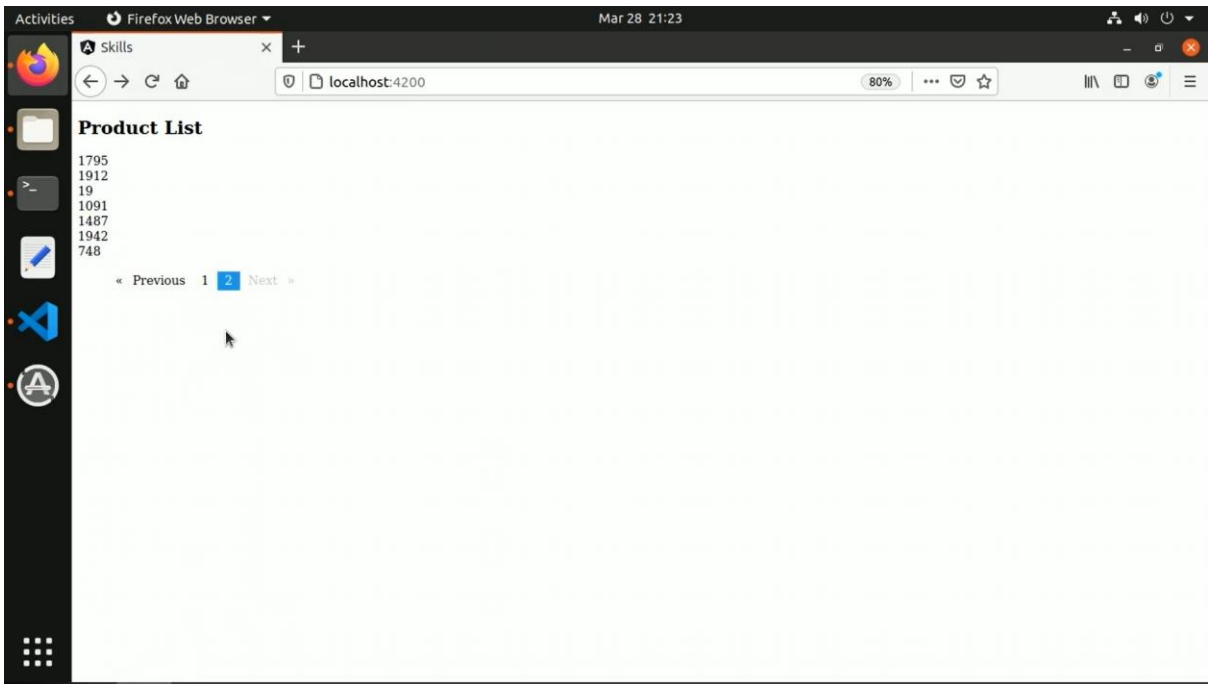

Activities
Visual Studio Code
Mar 28 21:21
Firefox Web Browser
product.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
product.component.ts src/app/... U
SKILLS
e2e
node_modules
src
app
products
product.component.ts U
app-routing.module.ts
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
test.ts
.browserslistrc
OUTLINE
TIMELINE
product.component.ts
src > app > products > product.component.ts > ProductComponent > rNum > filter() callback
import { Component } from '@angular/core';
declare const genRandomNumbers:any;
@Component({
selector: 'app-product',
template: `<h2>Product List</h2>
<div *ngFor="let x of rNum |
paginate: {itemsPerPage:itemsToDisplay, currentPage:page}">
{{x}}

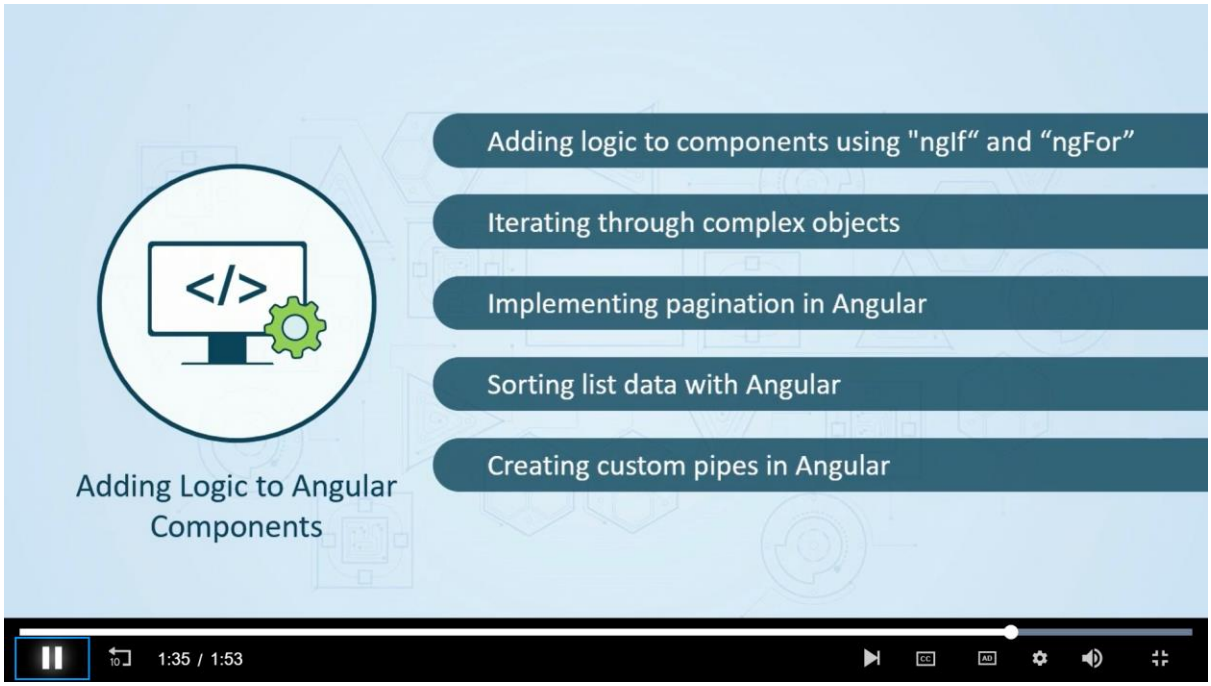
<pagination-controls (pageChange)="pageChanged($event)"></paginatio
})
export class ProductComponent{
rNum = <[]>genRandomNumbers().filter(x => x < 2000);
page: Number = 1;
itemsToDisplay: Number = 10;
pageChanged(event){
this.page = event;
}
}
master*
0 0
Ln 14, Col 55
Spaces: 4
UTF-8
LF
TypeScript
4.2.3


Activities
Firefox Web Browser
Mar 28 21:21
Skills
localhost:4200
80%
Product List
1966
991
687
1634
597
647
1244
1604
1848
24
« Previous 1 2 3 Next »


Activities
Visual Studio Code
Mar 28 21:23
product.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS 1 UNSAVED
product.component.ts src/app/... U
SKILLS
e2e
node_modules
src
app
products
product.component.ts U
app-routing.module.ts
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
test.ts
.browserslistrc
OUTLINE
TIMELINE
product.component.ts
src > app > products > product.component.ts > ProductComponent > pageChanged
import { Component } from '@angular/core';
declare const genRandomNumbers:any;
@Component({
selector: 'app-product',
template: `<h2>Product List</h2>
<div *ngFor="let x of rNum |
paginate: {itemsPerPage:itemsToDisplay, currentPage:page}">
{{x}}

<pagination-controls (pageChange)="pageChanged($event)"></paginatio
})
export class ProductComponent{
rNum = <[]>genRandomNumbers().filter((x:number) => x < 2000);
page: Number = 1;
itemsToDisplay: Number = 10;
pageChanged(event){
this.page = event;
}
}
master*
0 0
Ln 18, Col 24
Spaces: 4
UTF-8
LF
TypeScript
4.2.3


Activities
Firefox Web Browser
Mar 28 21:23
Skills
localhost:4200
80%
Product List
1795
1912
19
1091
1487
1942
748
« Previous 1 2 Next »


Adding logic to components using "ngIf“ and “ngFor”
Iterating through complex objects
Implementing pagination in Angular
Sorting list data with Angular
Creating custom pipes in Angular
Adding Logic to Angular Components
1:35 / 1:53


Next Up
Reflect on what you've learned