

In Angular, you can copy text to the clipboard in **two main ways**:

- **Using Angular CDK Clipboard** (recommended — simple and built-in)
- **Using the native `navigator.clipboard` API** (no extra dependency, but async and browser-permission dependent)

## 1 Using Angular CDK Clipboard (Recommended)

Angular CDK provides the **ClipboardModule** and **cdkCopyToClipboard** directive.

**Install Angular CDK** (if not already installed):

```
npm install @angular/cdk
```

**Import the ClipboardModule** in your module:

```
import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';
import { ClipboardModule } from '@angular/cdk/clipboard';
import { AppComponent } from './app.component';

@NgModule({
  declarations: [AppComponent],
  imports: [BrowserModule, ClipboardModule],
  bootstrap: [AppComponent]
})
export class AppModule {}
```

**HTML Example:**

```
<!-- Copies the text "Hello World" when clicked -->
<button cdkCopyToClipboard="Hello World">Copy Text</button>

<!-- Copy from a variable -->
<button [cdkCopyToClipboard]="myText">Copy Variable</button>
```

### Component:

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

@Component({
  selector: 'app-root',
  templateUrl: './app.component.html'
})
export class AppComponent {
  myText = 'This text will be copied!';
}
```

## 2 Using navigator.clipboard API

This works without Angular CDK but requires HTTPS (except localhost).

### Component Example:

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

@Component({
```

```
selector: 'app-root',
template: `
  <input [(ngModel)]="textToCopy" placeholder="Type something" />
  <button (click)="copyText()">Copy</button>
`,
})
export class AppComponent {
  textToCopy = 'Hello Clipboard!';

  async copyText() {
    try {
      await navigator.clipboard.writeText(this.textToCopy);
      alert('Copied to clipboard!');
    } catch (err) {
      console.error('Failed to copy: ', err);
    }
  }
}
```

### ✅ Recommendation:

- Use **Angular CDK Clipboard** for quick, declarative copying.
- Use **navigator.clipboard** for more control (e.g., async workflows, conditional copying).

If you want, I can give you a **version that works in Angular without any extra dependencies and supports older browsers**.

Do you want me to prepare that?