## **Typed Forms migration**

As of Angular v14, the AbstractControl classes and FormBuilder methods have generic type parameters. Angular provides Untyped versions of the classes for opt-out. This migration:

- Identifies imports of these classes, and also imports the untyped versions.
- · At all constructor sites, the typed symbol is replaced with the corresponding untyped symbol.

This migration is idempotent, i.e. it will not add duplicate imports that were added in a previous run. This migration also accounts for qualified imports, and will replace them as needed.

## **Before**

```
import { Component } from '@angular/core';
import { AbstractControl, FormArray, FormBuilder, FormControl as FC, FormGroup,
UntypedFormGroup } from '@angular/forms';
@Component({template: ''})
export class MyComponent {
 private _control = new FC(42);
 private group = new FormGroup({});
 private array = new FormArray([]);
 private ungroup = new FormGroup({});
 private fb = new FormBuilder();
 build() {
  const c = this.fb.control(42);
   const g = this.fb.group({one: this.fb.control('')});
   const a = this.fb.array([42]);
   const fc2 = new FC(0);
 }
```

## **After**

```
import { Component } from '@angular/core';
import { AbstractControl, FormArray, UntypedFormArray, FormBuilder,
UntypedFormBuilder, FormControl as FC, UntypedFormControl, FormGroup,
UntypedFormGroup } from '@angular/forms';

@Component({template: ''})
export class MyComponent {
  private _control = new UntypedFormControl(42);
  private _group = new UntypedFormGroup({});
  private _array = new UntypedFormArray([]);
  private _ungroup = new UntypedFormGroup({});

private fb = new UntypedFormBuilder();

build() {
```

```
const c = this.fb.control(42);
const g = this.fb.group({one: this.fb.control('')});
const a = this.fb.array([42]);
const fc2 = new UntypedFormControl(0);
}
```