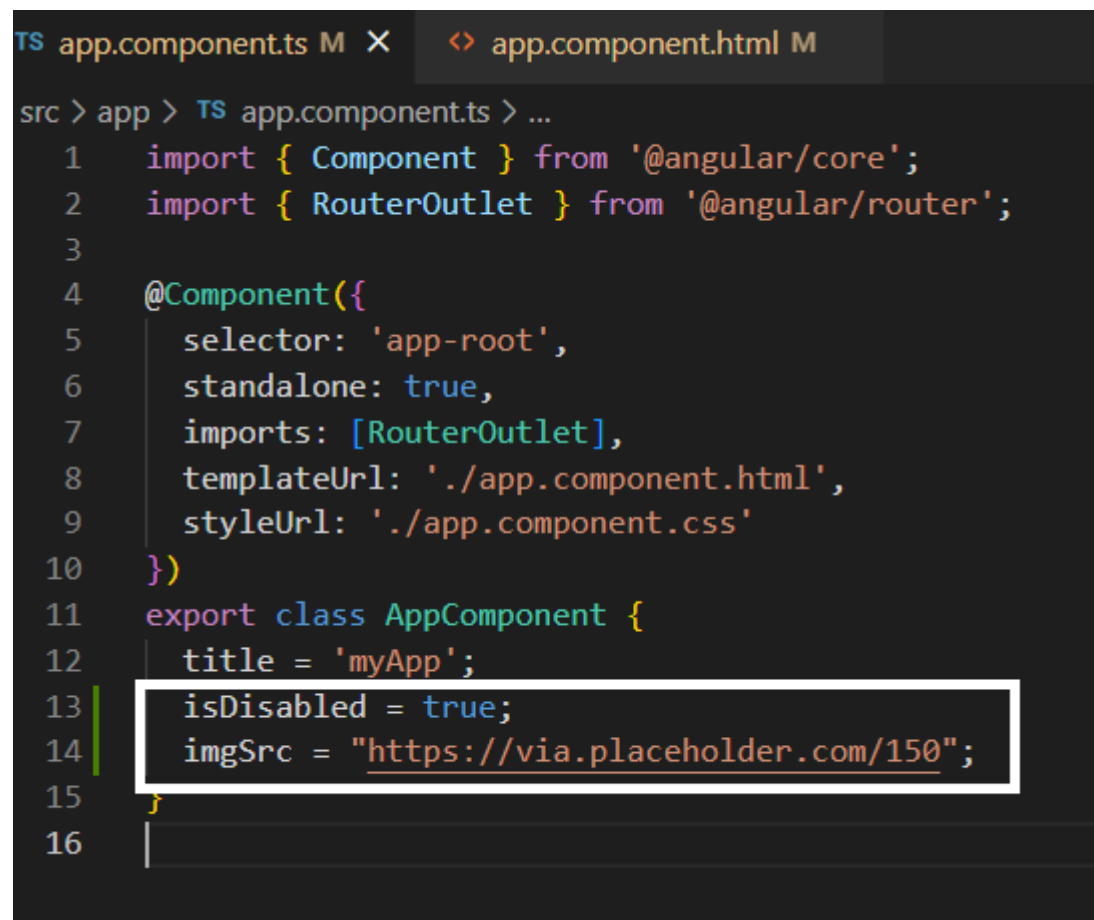


## Using property binding in Angular Component

**Step 1:** Create a new project using command: `ng new <project name>` or open an existing Angular project in text editor. You can create a separate component for this exercise or using an existing component.

**Step 2: Prepare the component data:** Open the `app.component.ts` file and add the following properties to the component class:



```
TS app.component.ts M X  <> app.component.html M
src > app > TS app.component.ts > ...
1  import { Component } from '@angular/core';
2  import { RouterOutlet } from '@angular/router';
3
4  @Component({
5    selector: 'app-root',
6    standalone: true,
7    imports: [RouterOutlet],
8    templateUrl: './app.component.html',
9    styleUrls: ['./app.component.css']
10 })
11 export class AppComponent {
12   title = 'myApp';
13   isDisabled = true;
14   imgSrc = "https://via.placeholder.com/150";
15 }
16
```

In this example, `isDisabled` property is boolean and `imgSrc` is string.

### Step 3, Use property binding in the template:

In the `app.component.html` file, use the property binding to set the disabled attribute of `<input>` element and set the src attribute of `<img>` element:

`app.component.html`

---

```
<input [disabled]="isDisabled">  
<img [src]="imgSrc">
```

---

- The [src] syntax is used to bind the src attribute of the <img> element to the imgSrc property of the component.
- The value of the src attribute will be set to the value of the imgSrc property.
- The [disabled] syntax is used to bind the disabled property of the <input> element to isDisabled variable(property) of the component.
- The value of disabled attribute will be set to the value of isDisabled property of component.

#### **Explanation:**

- Property binding is a way to pass data from the component to the template.
- The [property] syntax is used to bind a property of an HTML element to a property of the component.
- In this example, the [src] property of the <img> element is bound to the imgSrc property of the component.
- When the component's imgSrc property changes, the src attribute of the <img> element will be updated accordingly.
- Property binding is commonly used to dynamically set attributes, styles, and other properties of HTML elements based on the component's data.