



Tutorial And Example

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String Interpolation in Angular 8

August 1, 2019



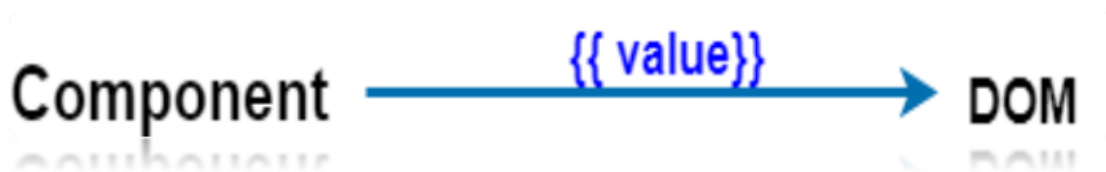
String Interpolation in Angular 8



String interpolation is a one-way data-binding technique which is used to output the data from a typescript code to HTML template. It uses the template expression. It uses the template expression in double curly braces `{{ }}` to display the data from component to view.

String interpolation adds the value of the property from the component. It allows the user to bind the value to a UI element.

Interpolation binds the data one-way.



Syntax:

```
{{data}}
```

We have firstly created an Angular project using Angular CLI.

The syntax of binding a field using double curly braces is called **Binding Expression**.



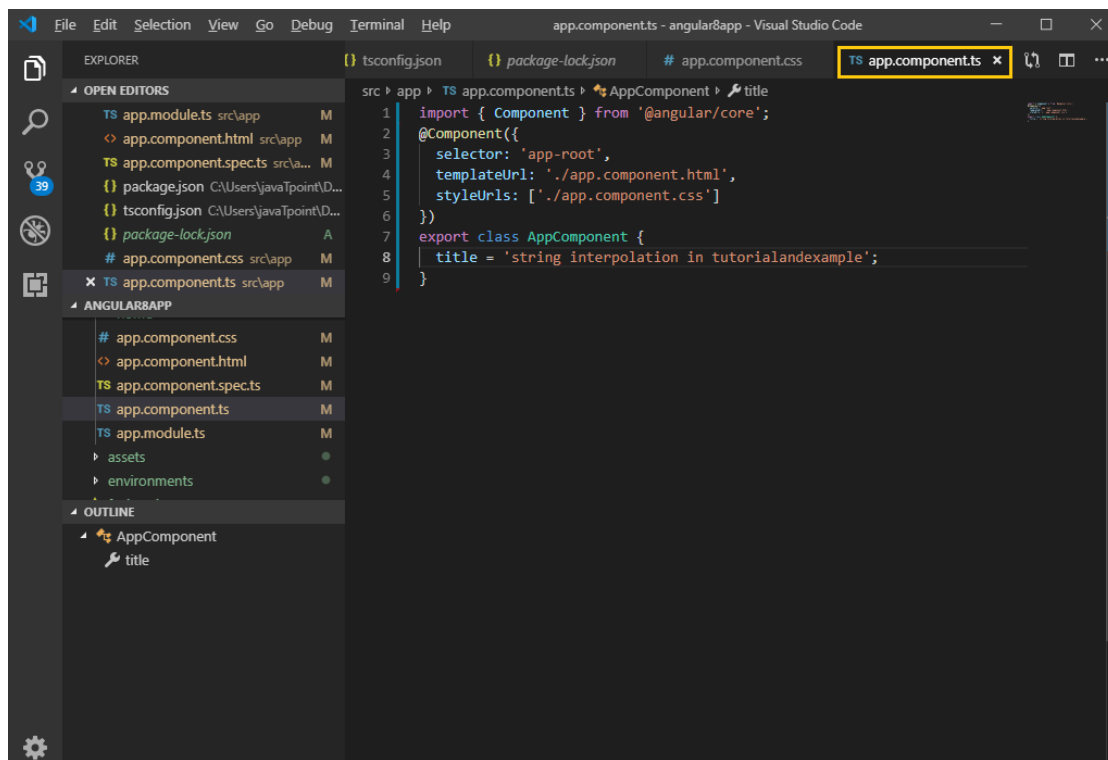


expression which can be run by angular, and the output will be inserted into the HTML.

If we put `{{5+5}}` in the template ten will be inserted into the HTML.

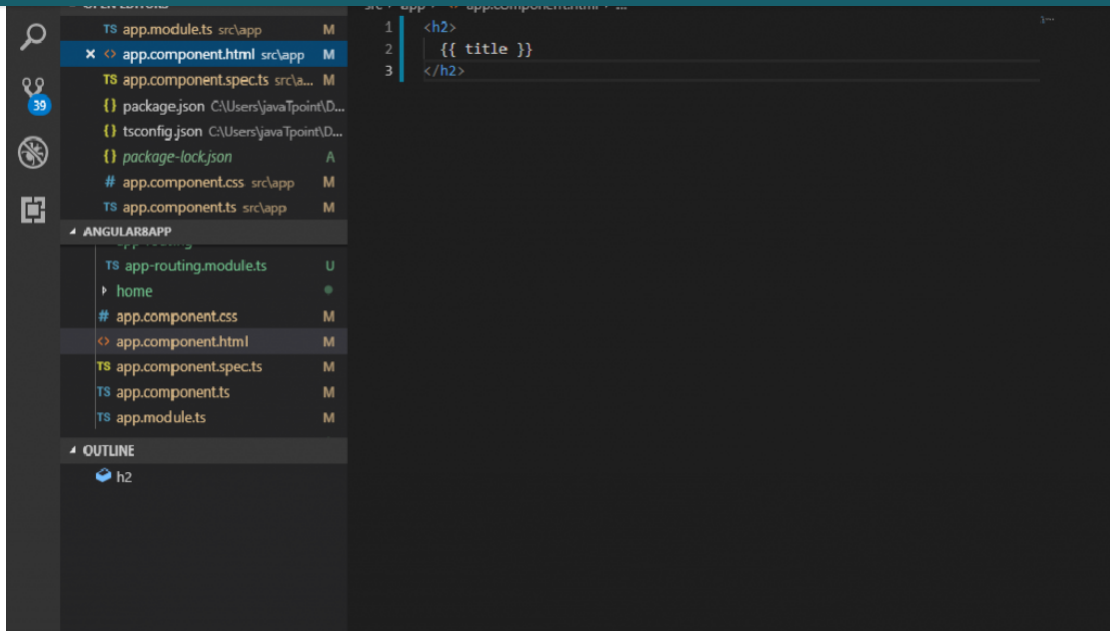
Open **the file `app.component.ts`** and use the following code within the file:

```
import {Component} from '@angular/core';
@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  title='string interpolation in tutorialandexample';
}
```

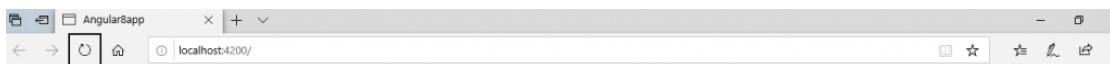


Now, open **`app.component.html`** file in the project and use the following code to see String Interpolation.

```
<h2>
{{ title }}
</h2>
```



Now, open Node.js command prompt and run the **ng serve --open** to open the localhost: 4200 to see the output of the program.



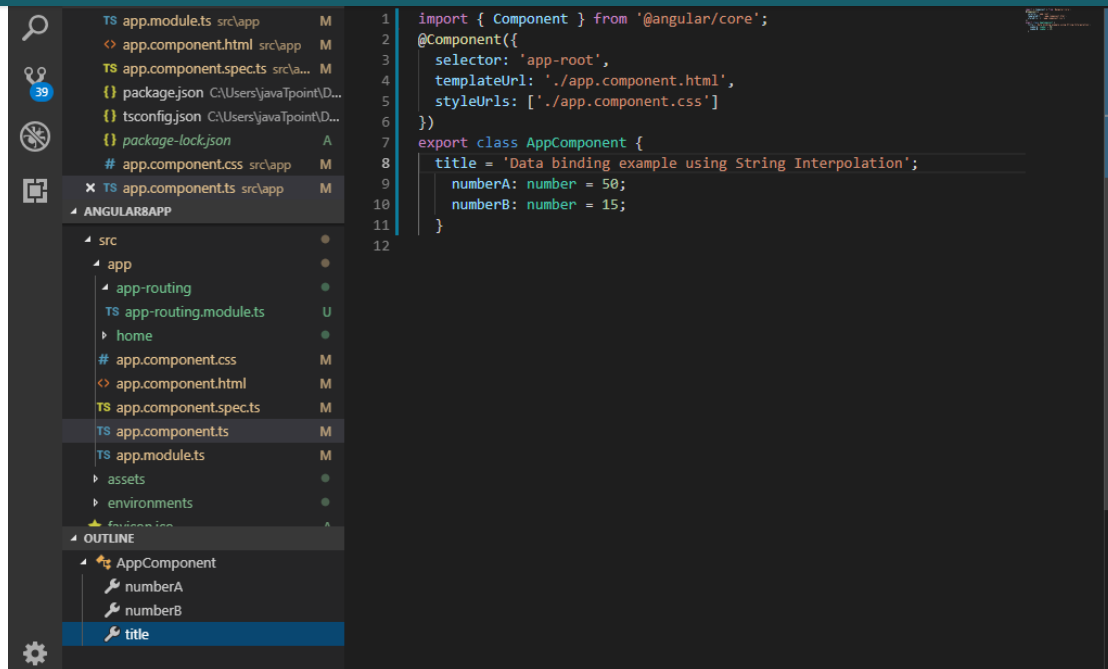
String interpolation can be used to solve some other expression too. Let's see another example.

Example:

Update the **app.component.ts** file with the following code:

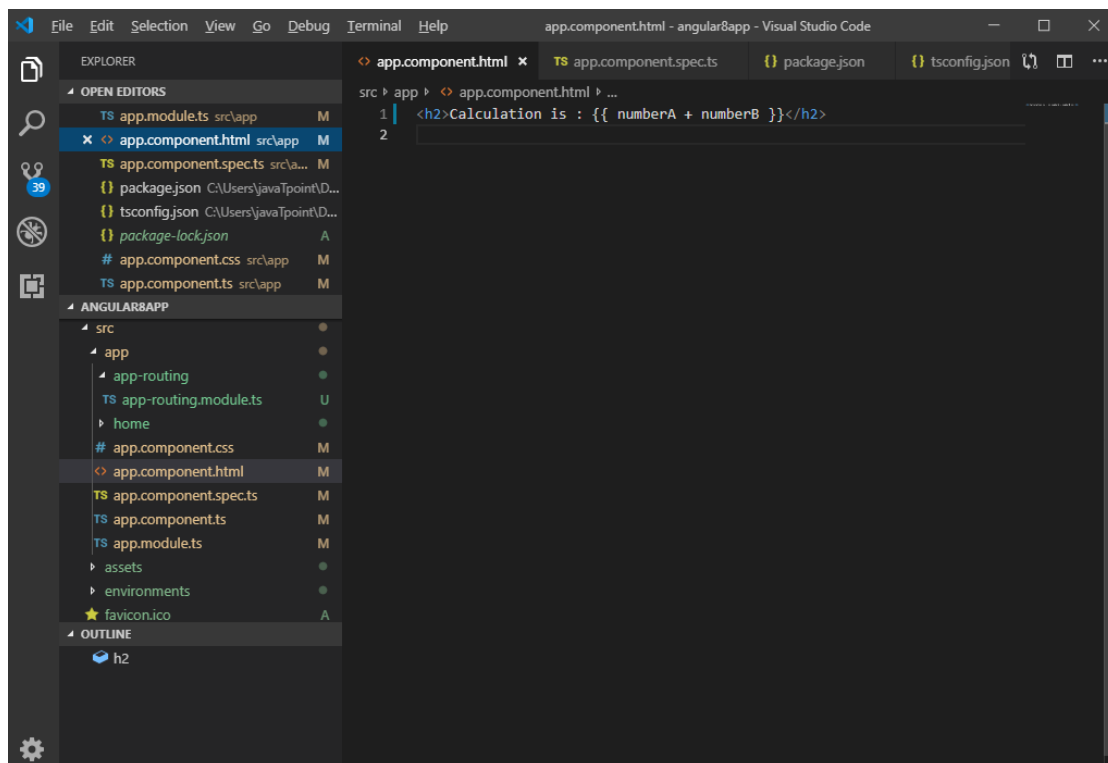
```
import { Component } from '@angular/core';
@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  title = 'Data binding example using String Interpolation';
  numberA: number = 10;
  numberB: number = 20;
}
```





app.component.html:

```
<h2>Calculation is : {{ numberA + numberB }}</h2>
```



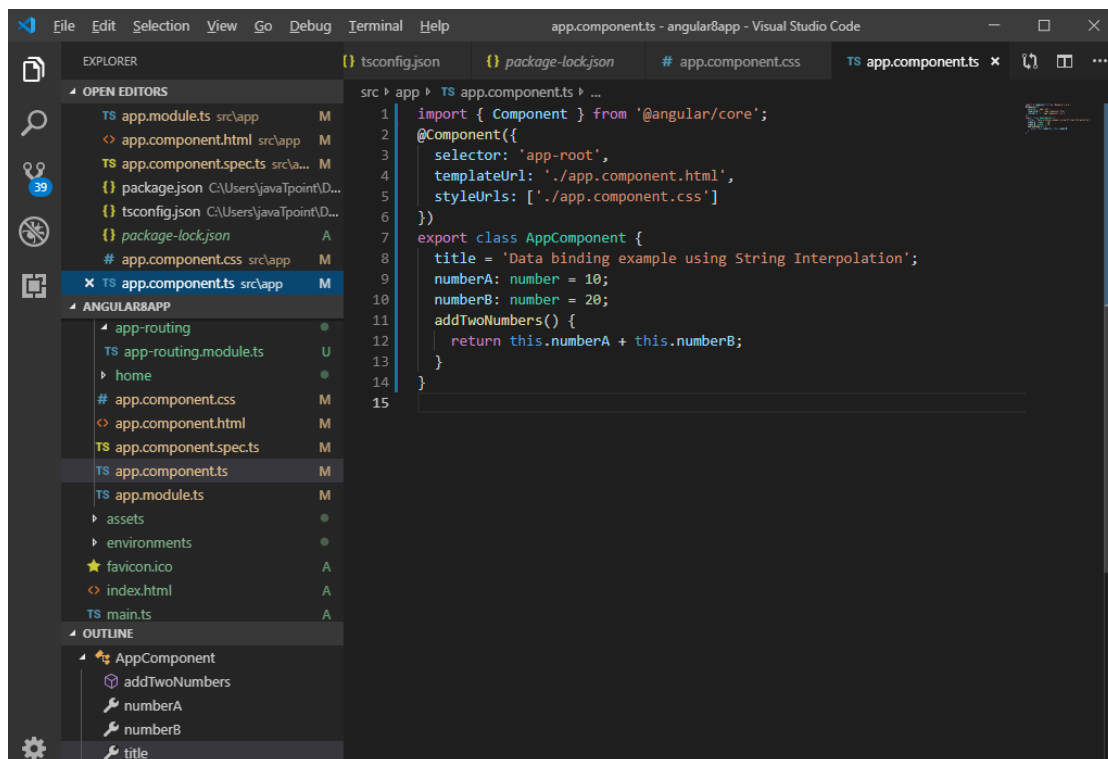
Output:



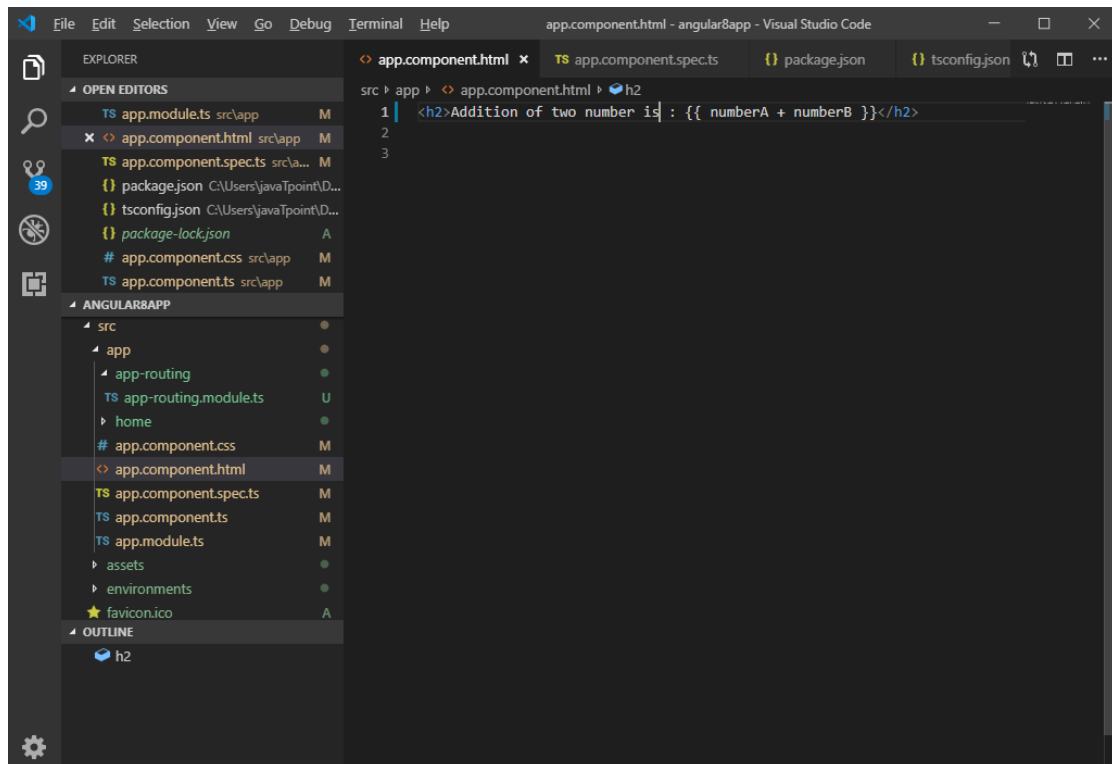
We can use the same application in another way also.

app.component.ts:

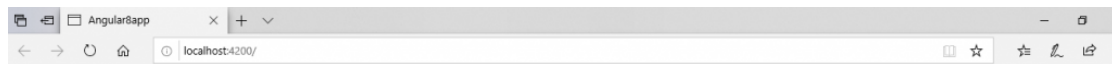
```
import { Component } from '@angular/core';
@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  title = 'Data binding example using String Interpolation';
  numberA: number = 10;
  numberB: number = 20;
  addTwoNumbers() {
    return this.numberA + this.numberB;
  }
}
```



app.component.html:



Output:



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