Module 2 – Databinding and Animations

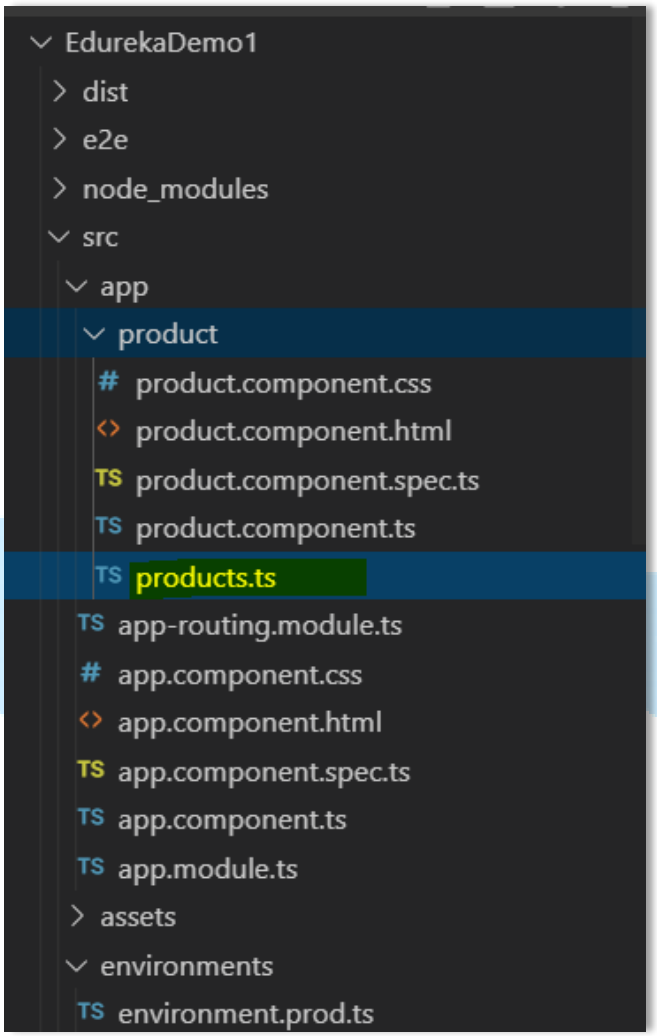
Demo 2: Bind data to shopping list component

edureka!

In this demo, we will see how to bind data to shopping list component created in Module 2 demo 2

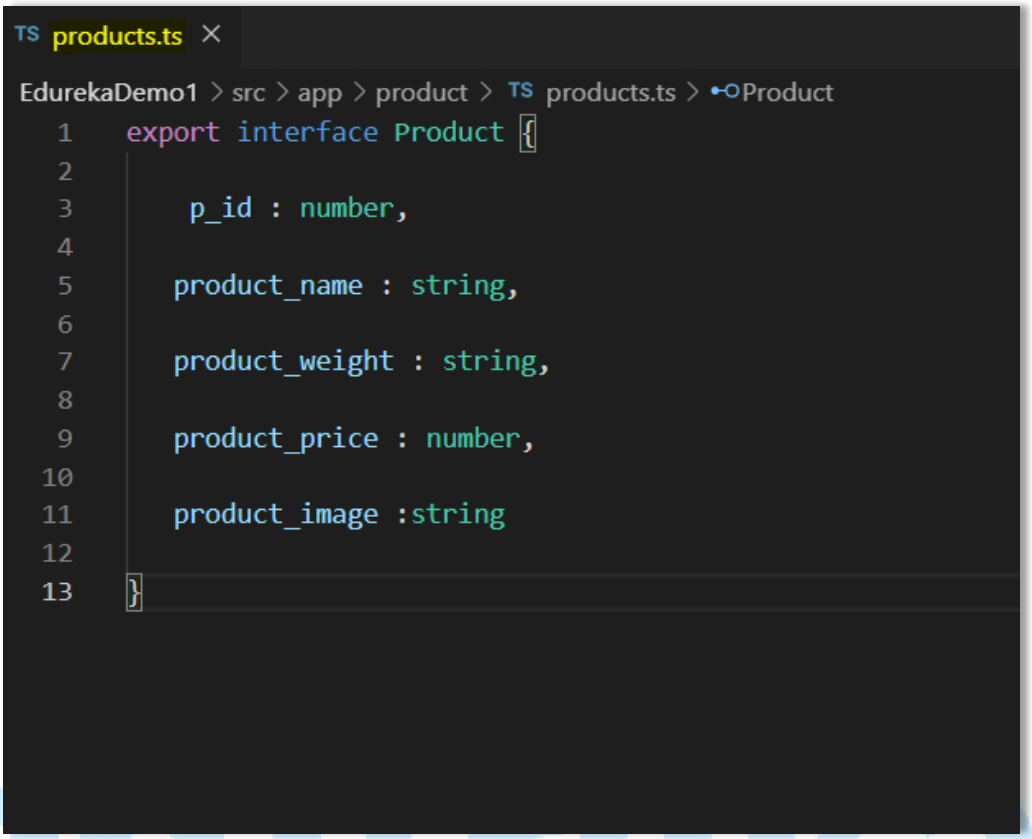
Step 1 – Open visual studio code, Open project folder created in Module 2 Demo2

Step 2 – Navigate to src → app →product folder, right click on product folder and select 'New File'. Name the new file as 'product.ts'

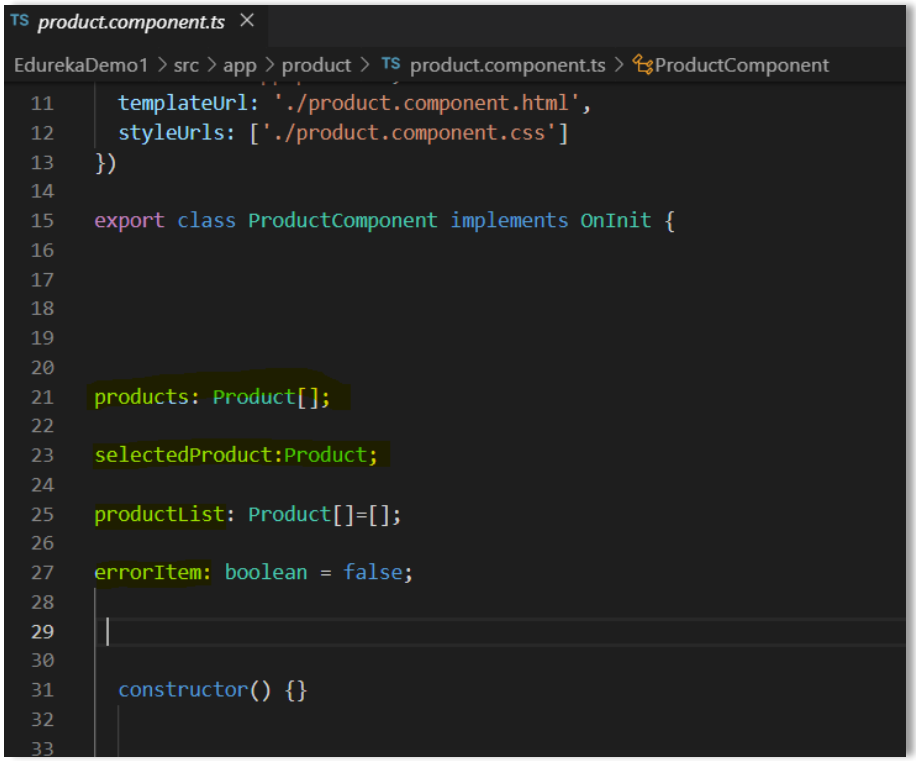


Product.ts is model file created for databinding

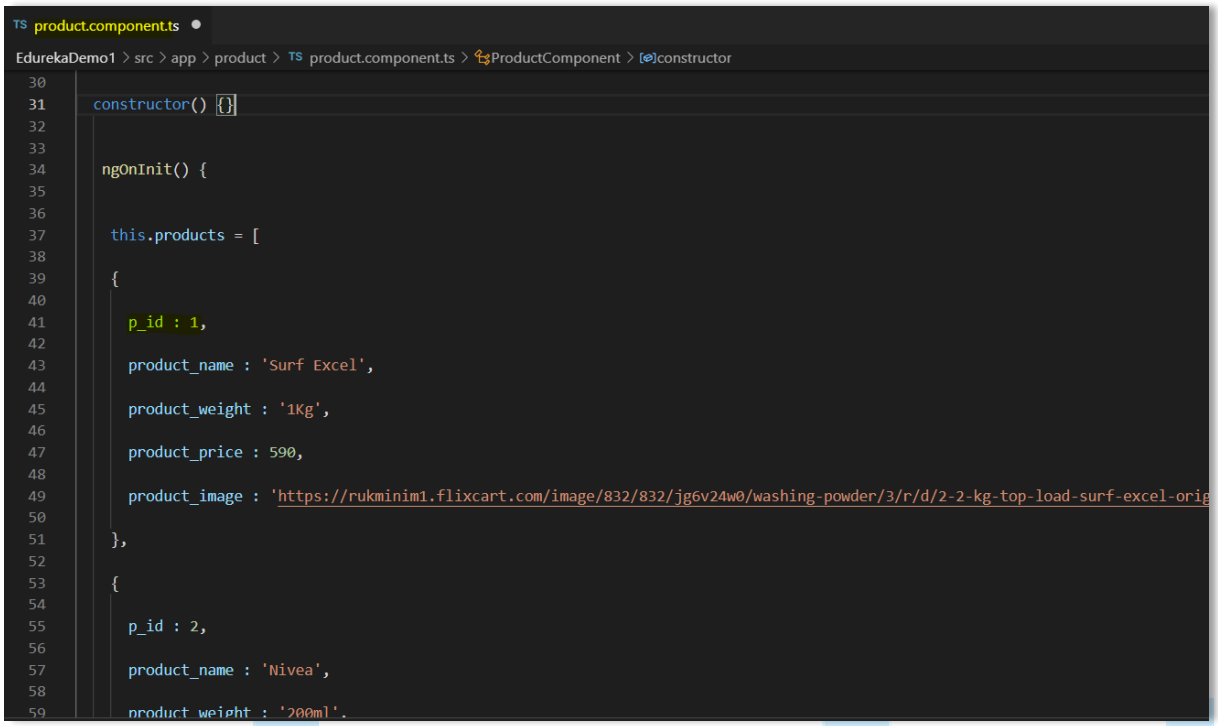
Step3 – Add the 5 properties/variables to product.ts as shown below



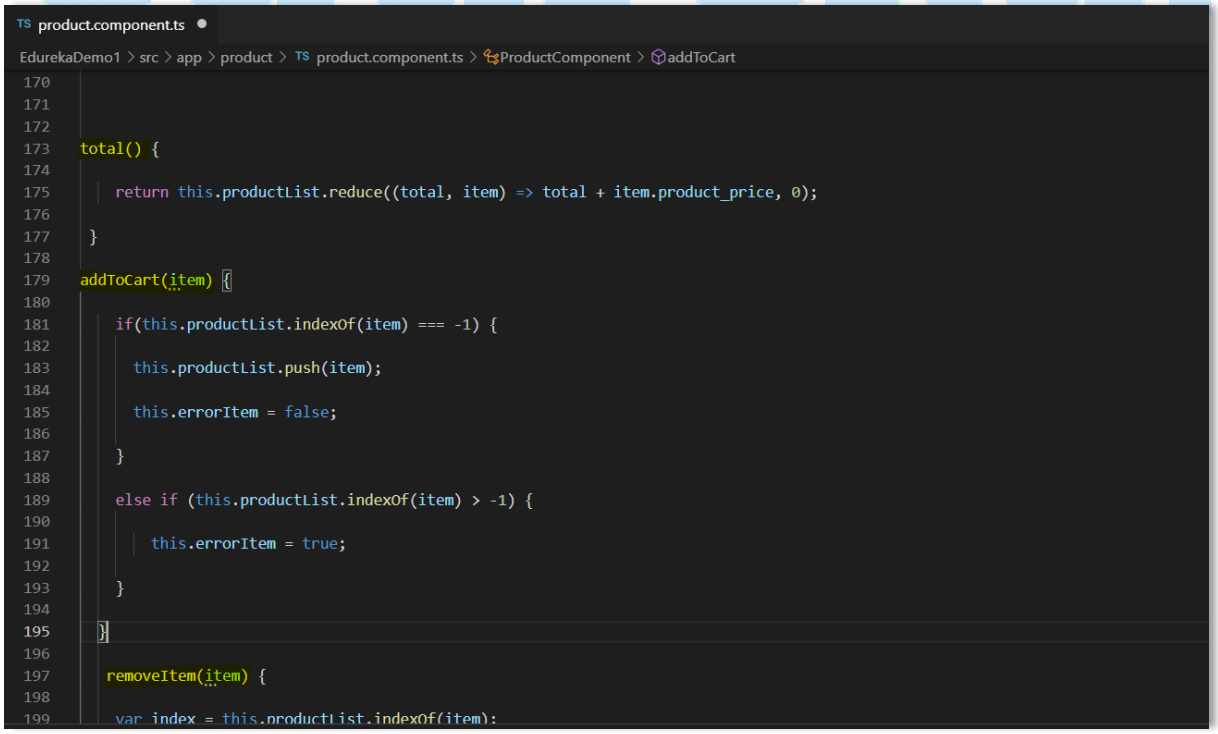
Step 4 – Open product.component.ts file to add the business logic. Create different arrays to store data.



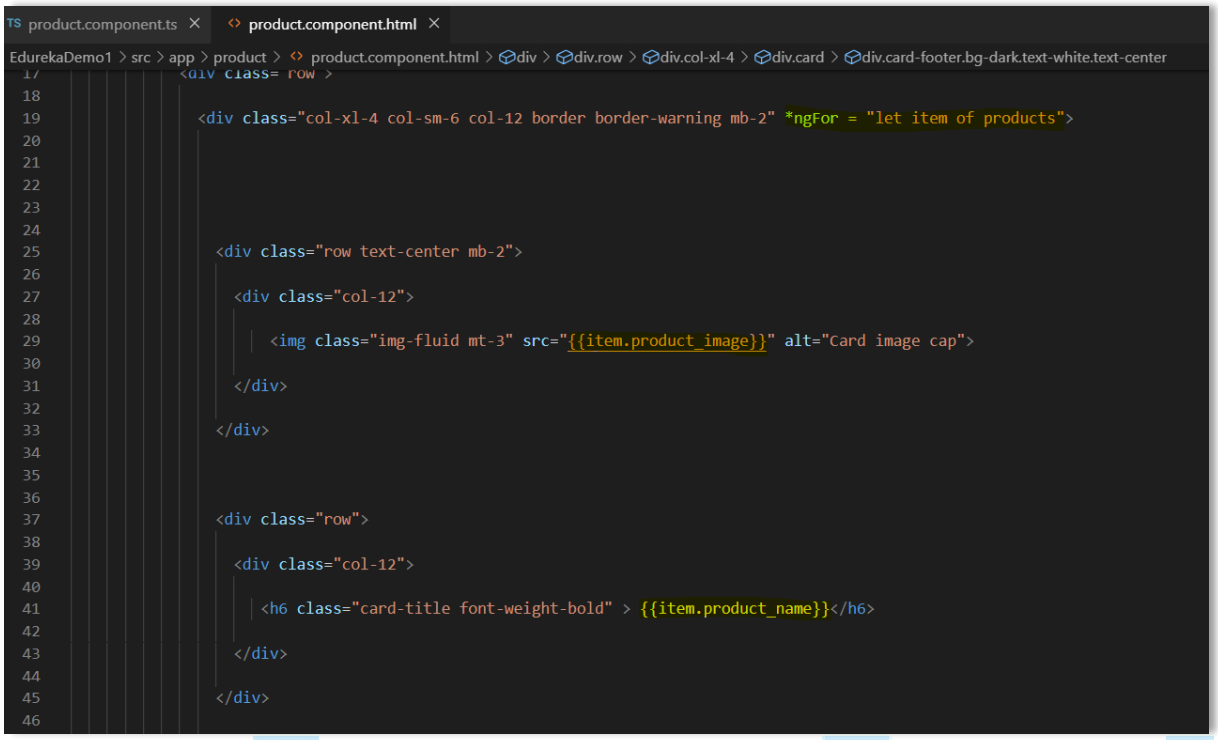
Step 5 – Add sample products to this.products array, this.products array will be used to display product list.



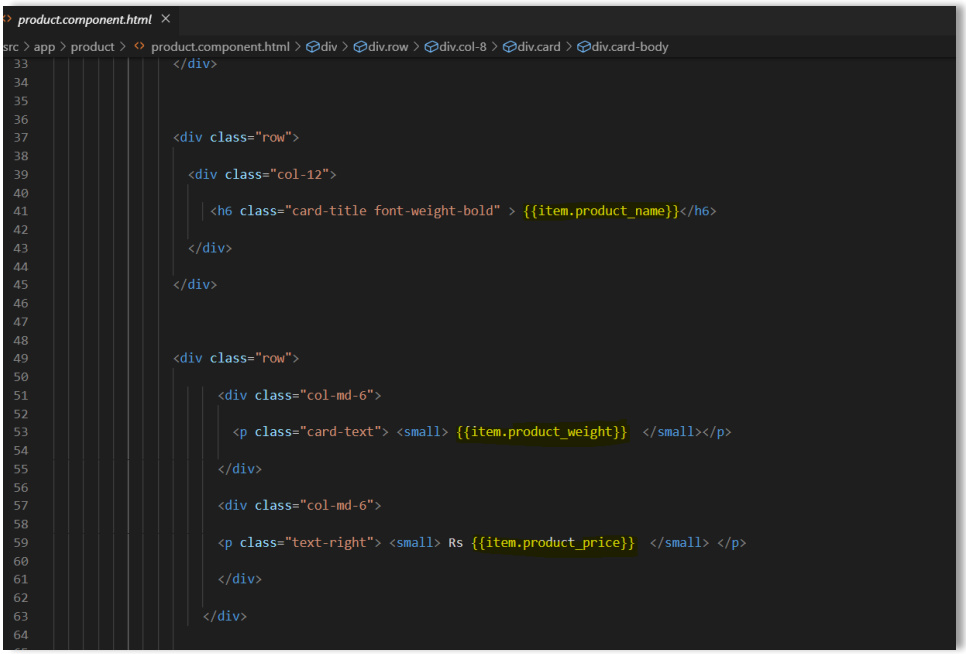
Step 6 – Create functions/methods to add and remove product operations



Step 7 – Open product.component.html file, modify html file to bind data to different html element



Step 8 – Open product.component.html file and bind data to the template, use *String Interpolation* for this. String interpolation is one-way databinding technique which is used to output the data from a TypeScript code to HTML template (view). It uses the template expression in double curly braces to display the data from the component to the view. The below screenshot shows string interpolation binding.



Step 9 – Bind data to src property of img html tag, we use *Property Binding* for this. In property binding, we bind a property of a DOM element to a field which is a defined property in our component TypeScript code.

```
<div class="row text-center mb-2">
  <div class="col-12">
    <img class="img-fluid mt-3" src="{{item.product_image}}" alt="Card image cap">
  </div>
</div>
```

Step 10 – Bind to a click event and assign the event handler "addToCart(item)" to this event, *use Event Binding* for this. Event binding is used to handle the events raised from the DOM like button click, mouse move etc. When the DOM event happens (e.g. click, change), it calls the specified method in the component.

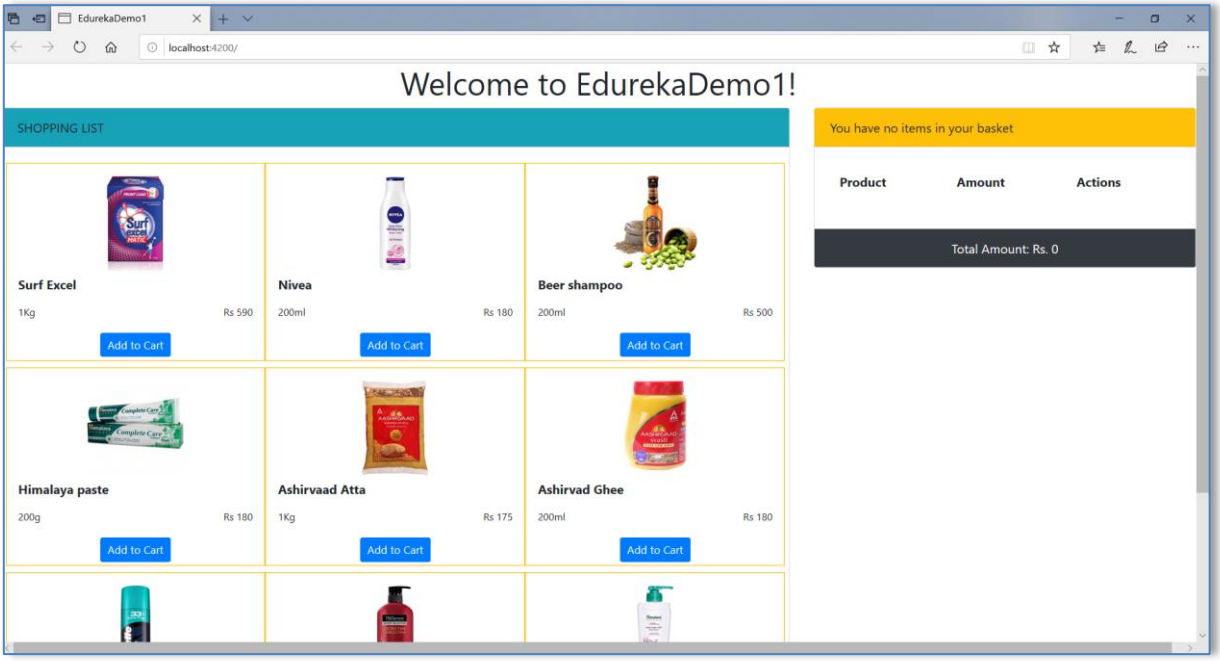
```
<div class="row text-center mb-1">
  <div class="col-12">
    <button class="btn btn-sm btn-primary" (click)="addToCart(item)">Add to Cart</button>
  </div>
</div>
```

Step 11 – Run angular application by using command 'ng serve --open'

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

PS D:\Work\TapChief\Edureka\Angular8Demo\Module2\Demo1\edurekademo1> ng serve --open
```

Step 9 – This will open our shopping list app with data binding to html elements in the browser as shown below



Click on Add to cart to add product to cart, also remove button from cart will remove products from cart. Total amount will show sum of total amount of products added to cart.