

Pro Angular

Chapter 18: Using and Creating Pipes

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Q1. What are pipes in angular?

- A. small fragments of code to transform data values to be displayed in templates
- B. small fragments of code to filter out data based on logic supplied
- C. properties to pass data from parent component to child component
- D. custom events that are used by child components to signal important changes to parent components

Answer: A

Q2. Which character is used to apply pipes?

- A. ?
- B. \$
- C. =>
- D. |

Answer: D

Q3. Which pipe shows price with us \$ symbol?

- A. {{item.price | currency }}
- B. {{item.price | currency:"USD" }}
- C. {{item.price | currency:"USD":"symbol" }}
- D. {{item.price | currency:"\$" }}

Answer: C

Q4. Which decorator should you use to create a custom pipe?

- A. @Dective()
- B. @Input()
- C. @Pipe()
- D. @Transform

Answer: C

Q5. Which method you must override in your custom pipe?

- A. transform method that accepts an ElementRef and returns the transformed value
- B. transform method that accepts an Attribute and returns the transformed value
- C. transform method that returns the transformed value
- D. transform method that accepts an input value followed by optional parameters and returns the transformed value

Answer: D

Q6. Which @Pipe decorator property controls that this pipe is reevaluated only when its input value or its arguments are changed?

- A. name
- B. pure
- C. input
- D. output

Answer: B

[When true]

Q7. You created a custom pipe using the code

```
import { Pipe, PipeTransform } from '@angular/core';
@Pipe({name: 'exponentTo'})
export class ExponentToPipe implements PipeTransform {
  transform(value: number, exponent?: number): number {
    return Math.pow(value, isNaN(exponent) ? 1 : exponent);
  }
}
```

How do you use the pipe?

- A. {{2 | exponentTo (10)}}
- B. {{2 | exponentTo , exponent10}}
- C. {{2 | exponentTo : 10}}
- D. {{2 | exponentTo, 10}}

Answer: C

Q8. which pipe transforms an object into a JSON string?

- A. toString
- B. json
- C. parse
- D. stringify

Answer: B

Q9. Which pipe subscribes to an observable or promise?

- A. json
- B. slice
- C. async
- D. promise

Answer: C

[You used this in class lessons *ngFor="let p of getProducts()|async"]

Q10. What is the correct format number pipe?

- A. <minFactionDigits>-<maxFactionDigits>
- B. <minIntegerDigits>.<maxFactionDigits>
- C. <minIntegerDigits>.<minFactionDigits>
- D. <minIntegerDigits>.<minFactionDigits>-<maxFactionDigits>

Answer: D