

1. What is an Angular Pipe used for?

- a) To filter arrays
- b) To display data in a different format
- c) To style components
- d) To manage services

****Answer:**** b) To display data in a different format

2. Which of the following is a built-in pipe in Angular?

- a) capitalize
- b) uppercase
- c) lowercase
- d) Both b and c

****Answer:**** d) Both b and c

3. How do you apply a pipe in Angular templates?

- a) {{ expression | pipeName }}
- b) <expression | pipeName>
- c) [expression | pipeName]
- d) {expression | pipeName}

****Answer:**** a) {{ expression | pipeName }}

4. Which of the following pipes is used to transform a date?

- a) json
- b) date
- c) currency
- d) slice

****Answer:**** b) date

5. How do you chain multiple pipes together?

- a) {{ expression | pipe1:arg1 | pipe2:arg2 }}
- b) {{ expression | pipe1.pipe2 }}
- c) {{ expression : pipe1 | pipe2 }}
- d) {{ expression | (pipe1, pipe2) }}

****Answer:**** a) {{ expression | pipe1:arg1 | pipe2:arg2 }}

6. Which pipe is used to transform an object into a JSON string?

- a) currency

b) json

c) slice

d) date

****Answer:**** b) json

7. How do you pass an argument to a pipe?

a) {{ expression | pipeName:arg }}

b) {{ expression : pipeName arg }}

c) {{ expression | pipeName arg }}

d) {{ expression | (pipeName,arg) }}

****Answer:**** a) {{ expression | pipeName:arg }}

8. What is the purpose of the async pipe in Angular?

a) To handle asynchronous operations in templates

b) To format dates

c) To transform JSON objects

d) To style text

****Answer:**** a) To handle asynchronous operations in templates

9. Which pipe would you use to format a number as currency?

- a) number
- b) json
- c) currency
- d) percent

****Answer:**** c) currency

10. What is the correct syntax for using the slice pipe to get the first 3 characters of a string?

- a) {{ 'example' | slice:0:3 }}
- b) {{ 'example' | slice(0,3) }}
- c) {{ 'example' | slice[0,3] }}
- d) {{ 'example' | slice:3 }}

****Answer:**** a) {{ 'example' | slice:0:3 }}

11. How do you create a custom pipe in Angular?

- a) Implement the PipeTransform interface
- b) Extend the AngularPipe class
- c) Implement the Pipe interface

d) Extend the AngularPipeTransform class

****Answer:**** a) Implement the PipeTransform interface

12. What decorator is used to define a custom pipe?

a) @Pipe

b) @CustomPipe

c) @PipeTransform

d) @Pipeable

****Answer:**** a) @Pipe

13. Which lifecycle hook is used in a pipe to perform initialization logic?

a) ngOnInit

b) transform

c) ngAfterViewInit

d) ngOnChanges

****Answer:**** b) transform

14. Which pipe would you use to display a percentage?

- a) percent
- b) currency
- c) json
- d) number

****Answer:**** a) percent

15. How do you make a custom pipe pure?

- a) Set pure: true in the @Pipe decorator
- b) Set pure: false in the @Pipe decorator
- c) Implement the PurePipe interface
- d) Extend the PurePipe class

****Answer:**** a) Set pure: true in the @Pipe decorator

16. Which of the following is true about pure pipes?

- a) They are executed only when their input changes
- b) They are executed on every change detection cycle
- c) They are only used for string transformations
- d) They cannot take arguments

****Answer:**** a) They are executed only when their input changes

17. How do you make a custom pipe impure?

- a) Set pure: false in the @Pipe decorator
- b) Set pure: true in the @Pipe decorator
- c) Implement the ImpurePipe interface
- d) Extend the ImpurePipe class

****Answer:**** a) Set pure: false in the @Pipe decorator

18. Which pipe would you use to capitalize the first letter of each word in a string?

- a) titlecase
- b) uppercase
- c) capitalize
- d) firstletter

****Answer:**** a) titlecase

19. What is the primary method that must be implemented when creating a custom pipe?

- a) transform

b) execute

c) convert

d) handle

****Answer:**** a) transform

20. Can a pipe be used within an Angular directive?

a) Yes, pipes can be used anywhere in Angular templates

b) No, pipes are limited to component templates only

c) Yes, but only with certain directives

d) No, pipes cannot be used with directives

****Answer:**** a) Yes, pipes can be used anywhere in Angular templates