

# Class-Validator Decorators Cheat Sheet

## Common Validators

- 1 `@IsDefined()` – Value must not be undefined
- 2 `@IsOptional()` – Skip validation if null or undefined
- 3 `@Equals(value)` – Must equal specific value
- 4 `@NotEquals(value)` – Must not equal value
- 5 `@IsIn(values[])` – Must be one of values
- 6 `@IsNotIn(values[])` – Must not be one of values

## Type Validators

- 1 `@IsString()` – Must be string
- 2 `@IsNumber()` – Must be number
- 3 `@IsInt()` – Must be integer
- 4 `@IsBoolean()` – Must be boolean
- 5 `@IsArray()` – Must be array
- 6 `@isObject()` – Must be object
- 7 `@IsEnum(enum)` – Must match enum
- 8 `@IsDate()` – Must be Date object
- 9 `@IsInstance(Class)` – Must be instance of class

## String Validators

- 1 `@Length(min, max)` – String length range
- 2 `@MinLength(n)` – Minimum length
- 3 `@MaxLength(n)` – Maximum length
- 4 `@Contains(str)` – Must contain substring
- 5 `@NotContains(str)` – Must not contain substring
- 6 `@IsEmail()` – Valid email
- 7 `@IsUrl()` – Valid URL
- 8 `@IsUUID()` – Valid UUID
- 9 `@IsAlpha()` – Letters only
- 10 `@IsAlphanumeric()` – Letters and numbers
- 11 `@IsLowercase()` – Lowercase only
- 12 `@IsUppercase()` – Uppercase only

- 13 @Matches(regex) – Match regex
- 14 @IsJSON() – Valid JSON string
- 15 @IsJWT() – Valid JWT token
- 16 @IsPhoneNumber(region) – Valid phone number
- 17 @IsPostalCode(locale) – Valid postal code

## Number Validators

- 1 @Min(n) – Minimum value
- 2 @Max(n) – Maximum value
- 3 @IsPositive() – Must be positive
- 4 @IsNegative() – Must be negative
- 5 @IsDivisibleBy(n) – Must be divisible
- 6 @IsDecimal() – Must be decimal
- 7 @IsLatitude() – Valid latitude
- 8 @IsLongitude() – Valid longitude

## Array Validators

- 1 @ArrayNotEmpty() – Array must not be empty
- 2 @ArrayMinSize(n) – Minimum items
- 3 @ArrayMaxSize(n) – Maximum items
- 4 @ArrayContains(values[]) – Must contain values
- 5 @ArrayNotContains(values[]) – Must not contain values
- 6 @ArrayUnique() – All values unique

## Date Validators

- 1 @MinDate(date) – Must be after date
- 2 @MaxDate(date) – Must be before date
- 3 @IsDateString() – Must be ISO date string

## Nested & Conditional

- 1 @ValidateNested() – Validate nested object
- 2 @Type(() => Class) – Required for nested objects
- 3 @IsNotEmptyObject() – Object must not be empty
- 4 @ValidateIf(fn) – Conditional validation

## **Custom Validators**

- 1    @Validate(CustomValidator) – Custom validation logic
- 2    @ValidatorConstraint() – Marks custom validator class