## **Code Snippet with Explanation**

Javascript >

```
let x = 12112.1989;
// Convert to exponential notation (e.g., scientific format)
console.log(x.toExponential()); // "1.21121989e+4"
// Round to 3 decimal places
console.log(x.toFixed(3)); // "12112.199"
// Format number with locale-specific separators
console.log(x.toLocaleString()); // "12,112.199" (in en-US locale)
// Round to 3 decimal places again
console.log(x.toFixed(3)); // "12112.199"
// Format with 6 significant digits
console.log(x.toPrecision(6)); // "12112.2"
// Convert to string
console.log(x.toString()); // "12112.1989"
// Get primitive value (same as x)
console.log(x.valueOf()); // 12112.1989
// Create a Number object (not primitive)
let y = new Number(17);
// Get primitive value from Number object
console.log(y.valueOf()); // 17
```

Сору

## toFixed() vs toPrecision() — Key Differences

Feature	toFixed(digits)	toPrecision(digits)
★ Purpose	Fixed number of <b>decimal places</b>	Fixed number of <b>significant digits</b>
12 Input	Integer for decimal places	Integer for total digits (before & after dot)
Rounding	Rounds to exact decimal places	Rounds to match total precision
Output	Always returns a <b>string</b>	Always returns a <b>string</b>
<b>ii</b> Example	[123.456.toFixed(2)] → ["123.46"]	[123.456.toPrecision(4)] → ["123.5"]