## **Modulo**

## Modulo

Modulo is the mathematical operation that performs division but returns the remainder. The modulo operator is %.





```
int modulo = 5 % 2;
System.out.println(modulo);
```

TRY IT

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## What happens if you:

- Change modulo to 5 % -2 ?
- Change modulo to 5 % 0?
- Change modulo to 5 % 2.0 ?

TRY IT

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## Modulo

What does modulo (%) do?

O Determines if a number is even or odd

| 0 | Is another name for division                      |
|---|---|
| 0 | Determines the percentage of two numbers          |
| 0 | Returns the remainder after division if performed |

Modulo is the remainder after division is performed. So division is a part of modulo, but modulo is not division. Modulo can be used to determine if a number is even or odd, but modulo can do more than that. Finally, the 🐒 is used with modulo, but modulo does not deal with percentages.