

Arithmetic Operators

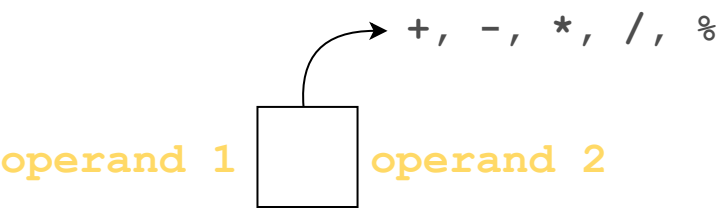
This lesson discusses arithmetic operators in Rust.

We'll cover the following

- What Are Arithmetic Operators?
 - Types
- Quiz

What Are Arithmetic Operators?

Arithmetic operators are used to perform arithmetic operations.



Types

The table below summarizes the arithmetic operations in Rust.

Operator	Operation	Explanation
operand 1 + operand 2	Addition	Add operand 1 and operand 2
operand 1 - operand 2	Subtraction	Subtract operand 2 from operand 1
operand 1 / operand 2	Division	Divide operand 1 by operand 2
operand 1 % operand 2	Modulus	Get remainder of operand 1 by dividing with operand 2
operand 1 * operand 2	Multiplication	Multiply operand 1 with operand 2

Arithmetic Operators

The following example shows the use of arithmetic operators in a program:

```
fn main() {  
    let a = 4;  
}
```

```
let a = 4;  
let b = 3;  
  
println!("Operand 1:{}", Operand 2:{}", a , b);  
println!("Addition:{}", a + b);  
println!("Subtraction:{}", a - b);  
println!("Multiplication:{}", a * b);  
println!("Division:{}", a / b);  
println!("Modulus:{}", a % b);  
}
```



Quiz

Test your understanding of arithmetic operators in Rust!

Quick Quiz on Arithmetic Operators!



What is the output of the following code?

```
fn main() {  
    let mut a = 4;  
    let mut b = 3;  
    a = a + b;  
    a = a * b;  
    a = a - b;  
    b = b - a;  
    println!("a:{}", a);  
    println!("b:{}", b);  
}
```

[Retake Quiz](#)

In the next lesson, you'll learn about logical operators in Rust.