Introduction to Operators

This lesson will discuss operators in Rust.

Operators

An operator is a symbol that takes one or more values and outputs another. It tells the compiler to perform some sort of operation.
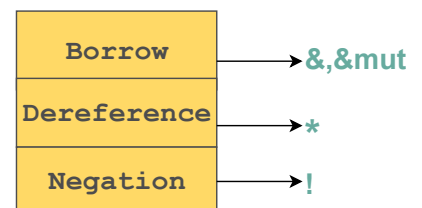
Types of Operators

Different operators are available in Rust for performing different operations. Based on the number of operands, the operators can be categorized into binary and unary operators:

Unary Operators

The operators that act upon a single operand are unary operators.

Types

- Borrow Expression
- Dereference Expression
- Negation Expression
- Logical Negation Expression

Binary Operators

The operators that deal with two operands are binary operators.

Types

- Arithmetic Expression

- Logical Expression

- Comparison Expression

- Bitwise Expressions

- Assignment Expression

- Compound Assignment Expression

- Typecast Expression

Arithmetic	→ +, -, *, /, %
Logical	→ &&, ||
Comparison	→ >, <, <=, >=, ==, !=
Assignment	→ =
Compound Assignment	→ -=, +=, /=, %=, *=
Bitwise	→ &, |, ^
Typecast	→ as

The upcoming lessons will discuss each operator in detail!