

Lea-3 Operators

- i) We stored data within variables with the intention of performing some operations with it.
- ii) They can be mathematical or logical.
- iii) To do so, we have certain special symbols called operators.
- iv) Operators : Symbols ~~on which the operation~~ that perform the operations.
- v) Operand : Symbols on which the operation is performed.

["Operands" + "Operators" \rightarrow expression]

\rightarrow When an expression is evaluated it gives output.

$a + b = c \rightarrow \text{O/P}$
 \swarrow \downarrow
 ~~operands~~ operator

C++ has various types of operators,

1. Arithmetic operators (+, -, *, /, %, ++, --)
2. Relational operators (>, >=, <, <=, ==, !=)
3. Type test operators (is, is not)
4. Bitwise operators [& - Bitwise AND, | - OR, ^ - XOR, ~ - NOT, << - RIGHT SHIFT, >> - LEFT]

5) Assignment operator (=, +=)

6) Logical operators (&&, ||, !)

7) Conditional operator (cond ? e1 : e2)