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Operator

s) An Operator is symbol that represents a specific operation on one or more operands.

s) Operators are fundamental to programming lang. as they enable you to perform various computation & manipulate data.

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Types of Operators

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Arithmetic Operators

: +, -, *, /, %

(ii)

Relational Operators

: <, <=, >, >=, ==, !=

(iii)

Assignment Operators

: +=, -=, *=, /=, %=

(iv)

Logical Operators

: &&, ||, !

(v)

Miscellaneous Operators

: ::, sizeof, *, &

(vi)

Unary Operators

: ++, --, !

★ Types of Operator

① Unary Operator (Prefix & Postfix)

[Work on one operands]

(ii) Binary Operator

[Work on two & more operands]

★ Operator Precedence.

⇒ Operator Precedence in C++ determines the order in which operators are evaluated when an expression multiple operators.

⇒ Operations with higher precedence are evaluated before operators with lower precedence.

★ Type Conversion:

⇒ Type conversion in C++ language also known as type casting refers to the process of converting a value from one data type to another.

⇒ Implicit type conversion (Type coercion)

⇒ Explicit type conversion (Type casting)

★ Implicit type conversion.

⇒ Implicit type conversion performed the compiler automatically during compilation

★ Explicit type conversion.

⇒ Implicit type conversion is performed by the compiler automatically during compilation

⇒ Explicit type conversion or type casting is done by the programmer explicitly using casting operators

⇒ Type casting is performed using casting operators like [type]