FACULTY OF ENGINEERING AND TECHNOLOGY UNIVERSITY OF LUCKNOW LUCKNOW



Computer System and Programming in 'C' CS-101/201

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Operators

- Type
 - Unary
 - Binary
 - Ternary

Unary Operators

Unary Operators

- 1. Increment
 - Pre-increment
 - Post-increment
- 2. Decrement
 - Pre-decrement
 - Post-decrement

Binary Operators

1. Arithmetic Operators

- +
- *
- /
- %

2. Assignment Operators

- |• =
- +=
- -=
- *=
- /=
- %=

3. Relational Operators

A relational operator checks the relationship between two operands. If the relation is true, it returns 1. If the relation is false, it returns value 0.

- ==
- >
- <
- != • >=
- <=

4. Logical Operators

An expression containing logical operator returns either 0 or 1 depending upon whether expression results true or false.

- Logical AND (&&)
- Logical OR (||)
- Logical NOT (!)

5. Comma Operators

Comma operator is used to link related expression together.

6. Bitwise Operators

During computation, mathematical operations like +,and / are converted to bit-level which makes processing faster and saves power.

- Bitwise AND (&)
- Bitwise OR (|)
- Bitwise exclusive OR (^)
- Bitwise compliment (~)
- Shift Left (<<)
- Shift Right (>>)

Ternary Operator

Ternary Operator (?:)

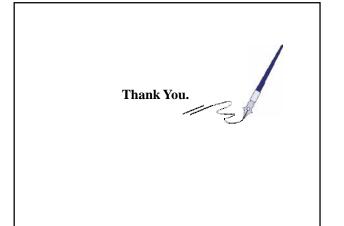
A conditional operator is a ternary operator, that is it works on three operands.

• Syntax:

Conditional Expression ? expression 1: expression 2;

If ConditionalExpression is true, expression1 is evaluated.

If ConditionalExpression is false, expression2 is evaluated.



BTQ

BTQ: Brain Teaser Question

What has a head and a tail, but no body?

