4a - Operators

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Precedence Order:

(i) *, /, %.

(ii) +, -

When similar precedence operator in in a statement then it is done left to right

eg: 2 * 3 / 6

∴ * and / have same level of precedence, we go left to right.

(2 * 3) / 6 = 1

Q a = 9 - 12 / 3 + 3 * 2 - 1

= 9 - (12/3) + (3 * 2) - 1

= 9 - 4 + 6 - 1

= 10

Relational Operator

```
if (10 < 20 < 30)
    printf ("True");
```

→ True

```
if (30 > 20 > 10)
    printf ("True")
else
```

printf (false) → false

30 > 20 > 10

↓

True > 10

↓

1 > 10 → false

Logical Operator

Precedence Order:

(i) NOT (!)

(ii) AND (&&)

(iii) OR (||)

Incremental & Decremental operators:

```
int main( ) {

    int n = 5;
    int x;
    x = n++;
    printf ( x );  → 5
    "  ( n );  → 6
    return 0;
}
```

Post - increment

It gives the current value of n to x & then increments

```
int main() {

    int n = 5;
    int x;
    x = ++n;
    printf(x);  → 6
    "  (n);  → 6
    return 0;
}
```

Pre - increment

Increments & then assigns the value of n to x.