

Example of Pre- and Post-Increment

How about this one?

```
int i = 18;
int j = 23;
j = (++i) + (j++)
    + (++j)
    - (i--);
```

What are *i*, and *j* afterward?

Who cares?* Don't write such code!

*The result is perhaps even undefined, meaning that different compilers can generate different results.

Modification Operators: Shorthand for Binary Operators

C supports

- many modification operators for variables.
- These are simply shorthand.

For example,

`A += B;` // same as `A = A + B`

`A &= MASK;` // same as `A = A & MASK`

(others: `-=`, `*=`, `/=`, `%=`, `|=`, `^=`, `<<=`, `>>=`)