

23/11/22

Question of the day

language : C

$n++$ (or) $n \equiv n+1$?

Ques Why $n++$ executes faster than $n+1$?

Ans:

$n++$ being an unary operation, it just needs one variable. Whereas, $n = n + 1$ is a binary operation that adds overhead to take more time (also binary operation: $n + = 1$).

However, in modern platforms, it depends on few things such as processor architecture, C compiler, usage in your code, and other factors such as hardware problems.

While in the modern compiler even if you write $n = n + 1$, it will get converted into $n++$ when it goes into the optimized binary, and it will be equivalently efficient.