Assignments in C

Simple: x=y

Compound: x+=5

Chained: x = y = z = 5

Embedded: x = (y+5) = z

Hybrid: x ^= y ^= x ^= y \*\*\*\*\*\*\*\*\*(CCH)

Puzzles

Q0. Print All natural numbers without any for loop or extra functions?

Ans: <natural-nos.c>

Q1. Print sum without using any operators

Theory

… eclipse in C and C++ is used to take in any no of operators

%[flag][width][.prec][modifier][conversion]

So when I write: printf(“%\*c%\*c”, x, ‘ ’, y, ‘ ’);

‘\*’ denotes width.

Ans: <add-2-nos.c>

It means print 1st ‘ ’ x times and then print 2nd ‘ ’ y times

As printf() returns int of length so it returns the sum of x and y

Q2. Check if a no is even or not without using %, switch, for, while, do, goto, ?:

Ans: <even-or-not.c>

Q3. Display “Hello” without main?

Ans: <Hello.c>