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Reading 9

CS326

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1. In Referential Transparency do the two expressions have to have the same location in memory? I assume they do but the text says value. Considering the strength of a language when is broad range coercion necessary for sure. I would assume that it is more important to get the answer you want rather then the estimation you need in real world problems.

2. I had never thought about the problem that is stated between having the ‘&’ stand for multiple purposes both address and a bitwise operator. JIT compilers sound amazing are these hard to use and why don’t we learn how to use them earlier. I also prefer non-broad range of coercion in theory but prefer using languages that allow it. But I think it depends the system.

3. Referential Transparency is where two values in a program are both .

Good:

fun(int a)

{

return a + 1;

}

Bad:

fun(int a)

{

b = b+1;

c = c+1;

return a +1;

}

4. It relies on the expression inside the compiler to infer the type of a variable by its usage.

int i = 5;

int j = i/2.0;

//j = 3