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Week 11

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Week 11 Lecture 11 Notes

Pass by reference vs Pass by value

Pass by reference - passing a variable into a function using its address; through pointer or &

Ex: void func1(int *ptr); void func2(int &x);

Pass by value - passing a variable into a function using its value; creates a copy of the value

Ex: void func3(int x);

Default Parameter Values

When declaring a function, the way you declare variables as parameters will decide if said variables are optional or default. By assigning a value to a variable in the parameter, it becomes an optional parameter. By simply declaring the variable, it is a required parameter.

Ex: void func4(int x, double y = 100, float z);

//Parms 1 and 3 not assigned - required. Parm 2 assigned 100 - optional.