



CMSC 106 Lecture Set #8

Set Started:
Tuesday, October 16, 2007



Parameter Passing Details

- Parameters must match in position and type
 - except automatic promotion is allowed
 - if there is a mismatch – compilation error
- `void f1(float x, y);`
 - y is an integer type parameter by default
 - bad style
- All arguments are **passed by value**



Introduction to Scope

- local variables
 - are declared within a pair of curly braces
 - are only available from the time they are declared until the end of those curly braces
- parameters
 - are initialized by their corresponding argument (get a copy of that value)
 - are only available in the function for which they are a parameter



Random Number Generation

- provided in <stdlib.h>
 - function: rand
 - function: srand
 - constant: RAND_MAX
 - terminology: random, pseudorandom, seed
- function provided in <time.h>
 - time



Character input and output

- in <stdio.h>
 - function: getchar
 - function: putchar
 - constant: EOF
- Using them in Loops
- The Call Stack



Function Philosophy

- Modularity
- Encapsulation
- Reusability
- Modifiability
