Division of Continuing Education

Module 2: Concurrency Basics

Topic 2.2: Race Conditions

Race Conditions

 Outcome depends on non-deterministic ordering

1: x = 1	
	1:print x
2: x = x + 1	

Races occur due to communication



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Communication Between Tasks

- Threads are largely independent but not completely independent
- Web server, one thread per client

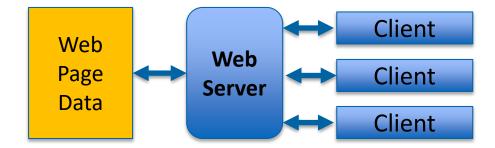


Image processing, 1 thread per pixel block

