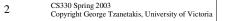
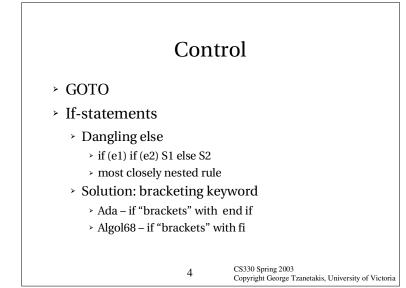
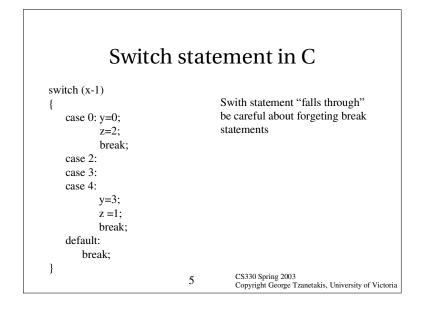


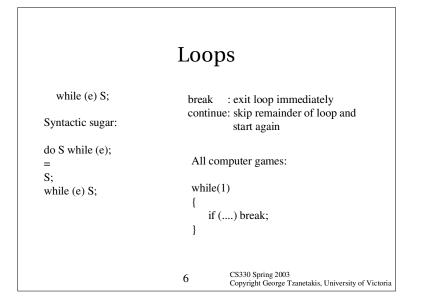
Expressions and Statements Expression = returns a value and produces no side effect (1+2)

- Statement = doesn't return a value but is executed for it's sideeffects
 - > print(5)
- > In many languages the distinction is blurry
- Similar to functions vs procedures





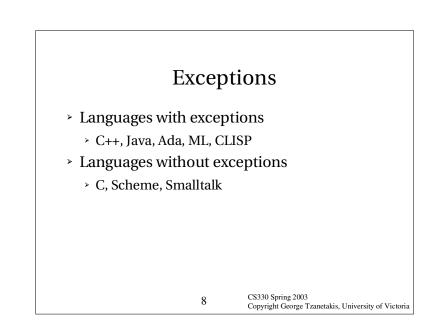


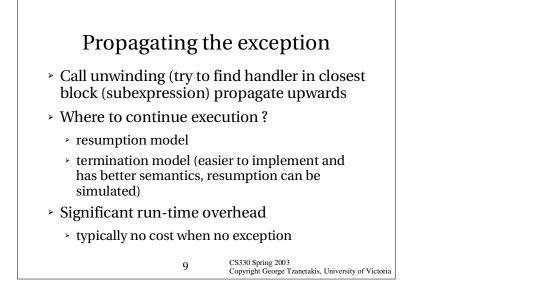


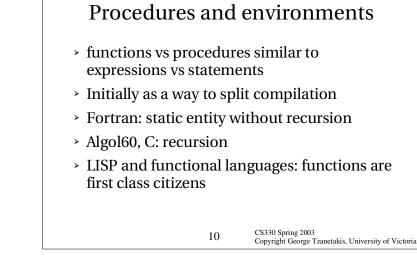
Exception Handling Exception raised or thrown Exception handler "handles" or "catches" an exception Initial motivation: handling graceful hardware interupts/problems Motivation today: libraries can detect errors but in many cases the handling needs to be done by the user

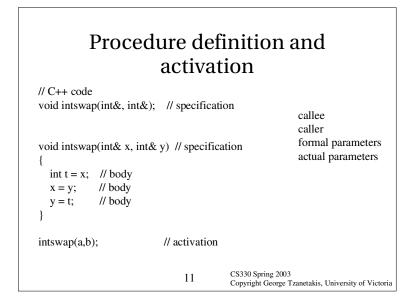
7

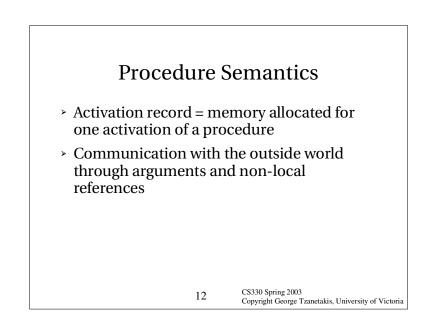
CS330 Spring 2003 Copyright George Tzanetakis, University of Victoria

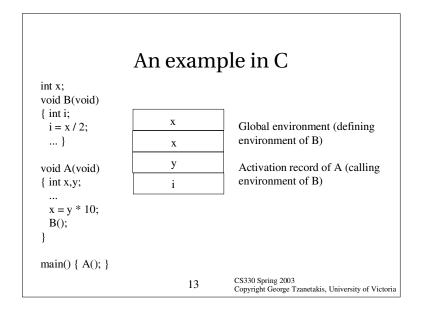


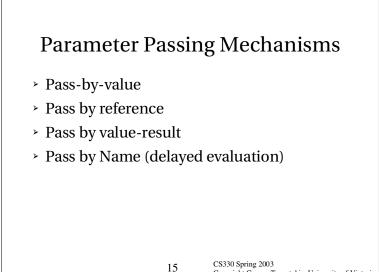












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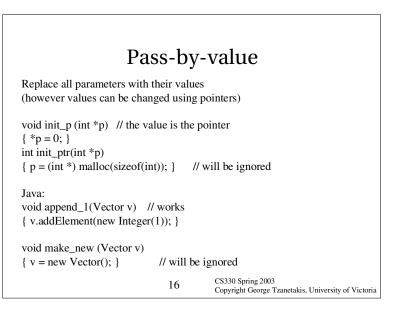
A possibility ?
Do everything with argument passing

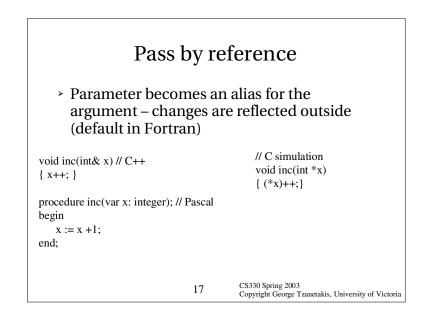
works ok for variables
what about constants and functions ?

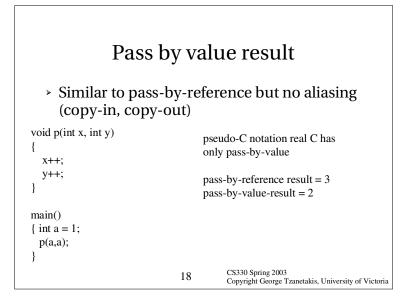
Closed form

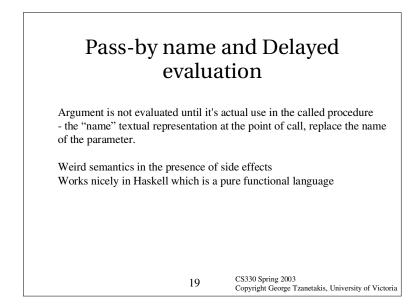
strive for it

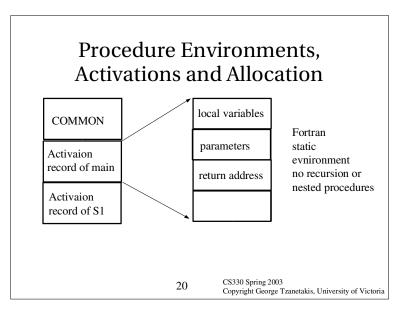
Closure = code of a function together with a representation of the defining environment (used to resolve all outstanding nonlocal references)

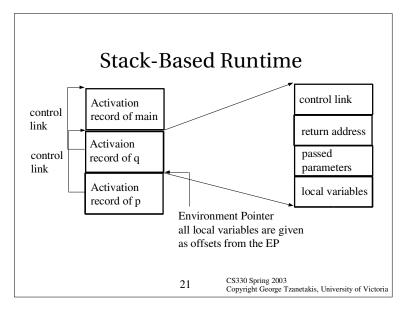












LISP)

