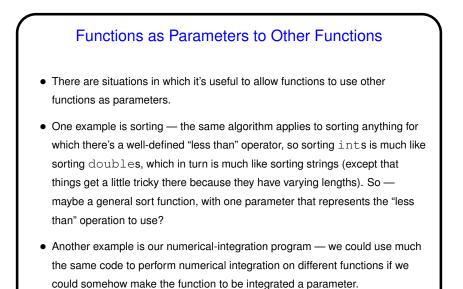


Slide 4

User-Defined Types and Library Code Library code often makes use of "opaque" types (e.g., FILE). Implementing this often involves separating functionality into interface (.h file containing type definitions, function declarations) and implementation (.c file containing function definitions. (Example later.)



Functions as Parameters to Other Functions, Continued

 Some languages provide nice built-in support for this idea ("functions are first-class objects"). Examples go back to early "functional languages" and include several more-recent languages such as Scala, Python, and Java (though it's a little clumsy in Java).

Slide 6

• C provides a way to get this effect, via "function pointers".

