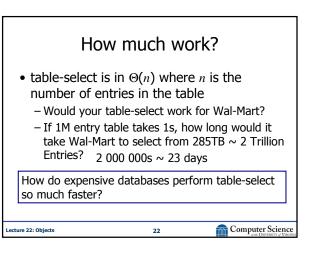
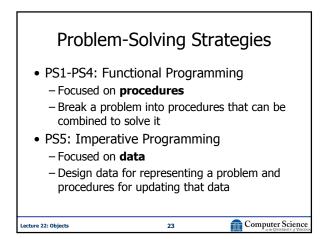
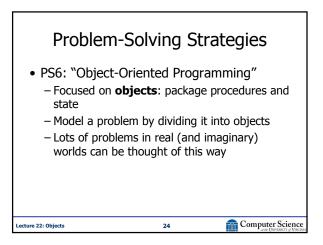


## Big Databases • Microsoft TerraServer - 3.3 Terabytes (claimed biggest in 1998) - 1 Terabyte = 2<sup>40</sup> Bytes ~ 1 Trillion Bytes • Google Maps (possibly bigger?) • Winter TopTen: - Yahoo! (100TB), Amazon (25TB) • Wal-Mart - 285 Terabytes (2003) • Stanford Linear Accelerator (BaBar) - 500 Terabytes (30 KB per particle collision)







Counter Object
(define (make-counter) (let ((count 0)) Instance variable
(let ((count 0)) Instance variable (lambda (message)
(cond ((eq? message 'reset!) Methods
(set! count 0)) ((eq? message 'next!)
(set! count (+ 1 count)))
((eq? message 'current) count)
(else (error "Unrecognized message"))))))
Lecture 22: Objects 25 Computer Science

