CSE / ENGR 142 Programming I

Style

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Programming Style • A program is a document: - Some of it is read by a computer. - ALL of it is read by people. - Donald Knuth: "literate programming" · "Style" is a catch-all term for peopleoriented programming. - comments, spacing, indentation, names - clear, straightforward, well-organized code - code quality E-3

4/6/00

4/6/00



sometimes require particular points of style in programs that are turned in for CSE 142. - "Along the way" starts today!

E-4

4/6/00

/* Comments */ Comment block at front of Program: Mi_To_Km Purpose: Miles to kilometers conversion Author: A. Hacker, 1/18/00 Section AF (Turing) program * Calculate volume of cylinder and ... Comment block per * Inputs: radius, height, ... * Output: volume, ... major section * Assumes: radius, height nonnegative */ small ones throughout /* Tell user it's negative. */ 4/6/00 E-6















Why #define?	
 Centralize characterize 	nges
•No "magic nun	nbers" (unexplained constants)
 use good nam 	nes instead
Avoid typing e	rrors
Avoid accident	tal assignments to constants
pi = 3.14;	#define PI 3.14
(pi = 17.2 ;)	PI = 17.2 ; ← syntax error





