

MAT 101 — Introduction to Computer Programming (C++)

Handout #18, April 12, 2005

Today's tasks:

1. Quiz #1: Recursion
2. Discussion about the quiz
3. Recursion
4. Base Cases
5. Pitfall - infinite recursion
6. Recursive functions may return a value (power function p562)
7. Examples (writeup, writedown, writebackward, stars, power)
8. hw8 Due Thursday April 14th: Give pseudocode to solve the factorial problem. $n! = n * (n-1) \dots * 1$. Thus:
1! is 1.
 $3! = 3*2*1 = 6$.
 $5! = 5*4*3*2*1 = 120$.
9. Reading for Thursday: p566-576 - may have a quiz