Laboratory Assignment 8
November 9, 2005

Before coming to lab, study Chapter 7 of Shiflet. Discuss each question below with your lab partners and do any computer work required. Write up what you do in your Lab Notebook using the format in the Laboratory Assignments handout as you go.

Bring Shiflet with you to lab on Wednesday.

PART 1: Write a C++ program to print the pattern shown in Programming Project #5, page 424 of Shiflet. Use for loops to do the repetition. Use an integer constant, Rows, declared at the beginning of your program, to determine the number of rows and columns, so that instead of 9 rows and 10 columns as shown you could print a similar pattern with, say 19 rows and 20 columns. Remember that to print the backslash character ‘\’ in a cout statement, you must type two backslashes ‘\’. Turn in your listing with a sample run on Friday.

PART 2: Do Lab exercises 4-5 on page 443-444 of Shiflet. These exercises build upon Example 7.6 (pp. 417-21) of your text, as described in italics in the introduction to the Laboratory on page 441. Make sure that you and your lab partners all understand Example 7.6 thoroughly before you begin. Then do the modifications specified in the lab problems. For each part, see if you can accurately foresee everything that needs to be done, so that the modifications work as intended after the first recompile.