Lab13 – Preprocessor & Large Program

On Dec. 13th

1. Divide the "inventory.c" program from HW11 (Problem1) into multiple source files. Create one source file (.c) and one header file (.h) for the following four functions: insert, search, update, and print. Create other source files and header files if necessary.

When submitting the assignment, enter the following examples consecutively, and attach the result. Bold text indicates input.

#1	**Enter operation code: i** **Enter part number: 528** **Enter part name: Disk drive** Enter quantity on hand: 10
#2	**Enter operation code: s** **Enter part number: 528** Part name: Disk drive Quantity on hand: 10
#3	**Enter operation code: s** **Enter part number: 1004** Part not found.
#4	**Enter operation code: i** **Enter part number: 914** **Enter part name: Printer cable** **Enter quantity on hand: 5**
#5	**Enter operation code: u** **Enter part number: 528** **Enter change in quantity on hand: -2**
#6	**Enter operation code: p** Part Number Part Name Quantity on Hand 528 Disk drive 8 914 Printer cable 5
#7	**Enter operation code: q**

2. Modify the program above (Problem 1) to print out the number of parts that are currently stored in the database after the execution of each function in a debugging mode.

When submitting the assignment, enter the following examples consecutively, and attach the result. Bold text indicates input.

#1	**Enter operation code: i** **Enter part number: 528** **Enter part name: Disk drive** Enter quantity on hand: 10 Debug: Number of parts in database: 1
#2	**Enter operation code: s** **Enter part number: 528** Part name: Disk drive Quantity on hand: 10 Debug: Number of parts in database: 1
#3	**Enter operation code: s** **Enter part number: 1004** Part not found. Debug: Number of parts in database: 1
#4	**Enter operation code: i** **Enter part number: 914** **Enter part name: Printer cable** **Enter quantity on hand: 5**

	Debug: Number of parts in database: 2
#5	**Enter operation code: u** **Enter part number: 528** **Enter change in quantity on hand: -2** Debug: Number of parts in database: 2
#6	**Enter operation code: p** Part Number Part Name Quantity on Hand 528 Disk drive 8 914 Printer cable 5 Debug: Number of parts in database: 2
#7	**Enter operation code: q**