

Program #5 Grading Criteria - 100 pts total

Feel free to award partial credit in each category based on “how well” the program satisfies the criteria presented.

Code Points (20 pts)

Uses standard I/O – 3 pts

Uses structs, #define provided – 3 pts

Reads in all input appropriately – 2 pts

Commands are processed in loop with if/switch – 5 pts

Sort is called from main or "solve" function – 2 pts

Dynamic Memory Allocated is freed – 5 pts

Can give partial for any of the items above

Functional Breakdown (20 pts)

Tree insert or add function – 2 pts

Tree search function – 2 pts

Tree delete function – 2 pts

Tree helper functions – 6 pts (can give partial here)

Compare function by name – 2 pts

Compare function by points – 2 pts

Sort function – 2 pts

Helper function (merge/partition) – 2 pts

No partial except for helper functions

Style Points (10 pts)

Header comment w/name, program, date – 2 pts

Appropriate variable names – 2 pts

Appropriate white space and indenting – 2 pts

Internal comments in code – 4 pts

Execution Points (50 pts)

5 pts per test case – 4 pts for queries, 1 pt for sort

Time Limit = 4 seconds per case (if 2 x solution speed > 4 seconds, use that number instead)