

Mark Sheet for CIS415, Project 0

DuckID: tjones9

Total Marks: 51

Penalty (%):

Final Mark: 51

Part 1: report (10 marks)

__0__ Report is consistent with behavior of program (10)

Part 2: mentry.c (20 marks)

__5__ workable solution (6)

__2__ compiles successfully (2)

__0__ compiles with no warnings (2)

__0__ works correctly (6)

__0__ no memory leaks (4)

Part 3: mlist.c [resizing hash table] (70 marks)

__8__ workable solution (18)

__2__ successfully compiles (2)

__0__ compiles with no warnings (4)

__2__ successfully links with finddupl (2)

__4__ links with no warnings (4)

__3__ works correctly with S.txt and M.txt (3)

__5__ works correctly with 10,000 entry unseen file (5)

__10__ works correctly with 100,000 entry unseen file (10)

__10__ works correctly with 1,000,000 entry unseen file (10)

__0__ no memory leaks (12)

Comments:

- mentry.c does not work correctly at all. See log. I have the sneaking suspicion that you never tested your code on the virtual machine.
- valgrind test with your mentry causes valgrind to crash because you free a pointer which was not malloc'ed, mentry line 35
- hash function would fail if zips were zip+4
- me_compare will yield wrong answer if house_numbers are different (if different, you always return 1)
- your sizings for full_address, surname, and zipcode are very strange
- strncpy() is not guaranteed to put a '\0' at the end of the string
- why are you comparing an integer house_number against '\0'?
- no memory leaks means no warnings from valgrind, either
- resize code commented out