

DSI Project 1 Report

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RUNNING THE CODE

The necessary code as per the requirements is implemented. Refer to the following instructions to compile the code

Run Main (main.cc)

1. make main
2. ./main

Run Test (test.cc)

1. make test.out
2. ./test.out

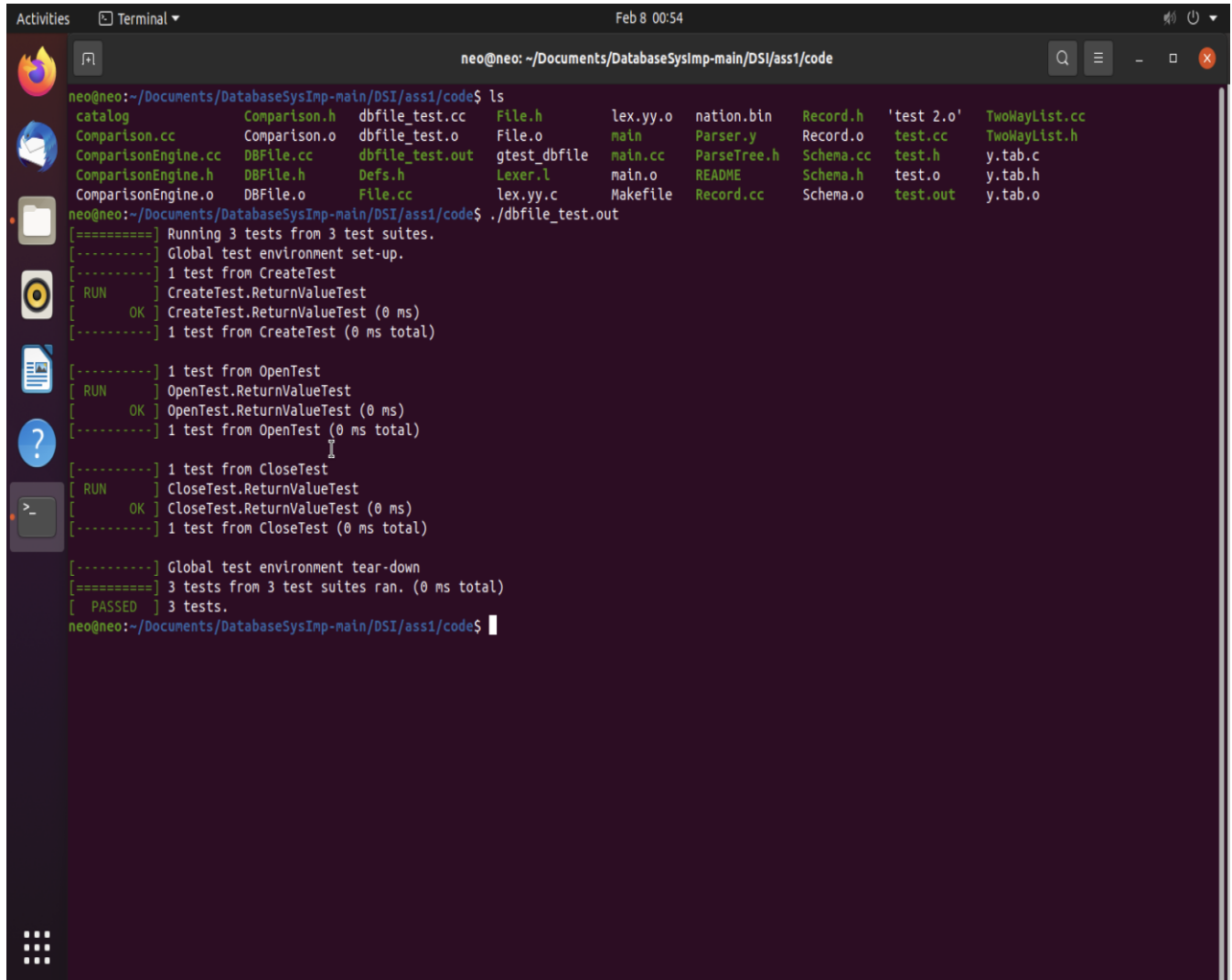
Run gtest (dbfile_test.cc)

1. make dbfile_test.out
2. ./dbfile_test.out

We were able to successfully execute our code on gtest test cases which include the following scenarios:

1. Create a file
2. Open a file
3. Close a file

Please refer to the screenshot below:



The screenshot shows a terminal window with the following content:

```
neo@neo: ~/Documents/DatabaseSysImp-main/DSI/ass1/code
neo@neo:~/Documents/DatabaseSysImp-main/DSI/ass1/code$ ls
catalog          Comparison.h      dbfile_test.cc   File.h           lex.yy.o         nation.bin       Record.h         'test 2.o'      TwoWayList.cc
Comparison.cc     Comparison.o      dbfile_test.o    File.o           main             Parser.y         Record.o        test.cc         TwoWayList.h
ComparisonEngine.cc DBFile.cc        dbfile_test.out  gtest_dbfile     main.cc          ParseTree.h     Schema.cc       test.h          y.tab.c
ComparisonEngine.h DBFile.h         Defs.h           Lexer.l          main.o           README          Schema.h        test.o          y.tab.h
ComparisonEngine.o DBFile.o         File.cc          lex.yy.c         Makefile        Record.cc       Schema.o        test.out        y.tab.o
neo@neo:~/Documents/DatabaseSysImp-main/DSI/ass1/code$ ./dbfile_test.out
[=====] Running 3 tests from 3 test suites.
[-----] Global test environment set-up.
[-----] 1 test from CreateTest
[ RUN      ] CreateTest.ReturnValueTest
[ OK       ] CreateTest.ReturnValueTest (0 ms)
[-----] 1 test from CreateTest (0 ms total)
[-----] 1 test from OpenTest
[ RUN      ] OpenTest.ReturnValueTest
[ OK       ] OpenTest.ReturnValueTest (0 ms)
[-----] 1 test from OpenTest (0 ms total)
[-----] 1 test from CloseTest
[ RUN      ] CloseTest.ReturnValueTest
[ OK       ] CloseTest.ReturnValueTest (0 ms)
[-----] 1 test from CloseTest (0 ms total)
[-----] Global test environment tear-down
[=====] 3 tests from 3 test suites ran. (0 ms total)
[ PASSED  ] 3 tests.
neo@neo:~/Documents/DatabaseSysImp-main/DSI/ass1/code$
```