

## REQUIREMENT:

Implement a simple file-based database with a command-line interface for the Linux platform. The database will consist of Membership Card IDs (an 8 byte number). The command-line interface will allow three commands 'insert', 'find', 'delete'.

## Usage:

**cardddb <db filename> insert <id>**

inserts the number <id> into the database in <db filename>

**cardddb <db filename> find <id>**

Search for <id> in the database in <db filename>. If found, return success exit code. If not found return failure exit code.

**cardddb <db filename> delete <id>**

Remove the id number <id> from the database <db filename>. If a number is removed, a subsequent 'find' should fail.

## Task 1.

Implement main.c and dbrec.c according to the requirements above. dbrec.h is a header file of the functions you will need to implement. You should also write a Makefile that can be used to build the executable cardddb from main.c and dbrec.c

## Task 2.

Implement a bash or sh shell script (test.sh) that verifies that your cardddb implementation is correct.

## Deliverables:

main.c - main() function implementation

dbrec.c - database implementation

Makefile - GNU makefile to build the implementation

test.sh - bash or sh shell script that verifies the cardddb executable

README.txt - description of the program and implementation

These should be provided in a compressed tarball.