

CMSC 424: Database Design

Spring 2001

HOMEWORK 3

Due: At the beginning of class on Thursday, March 29, 2001.

This homework continues the homeworks previously assigned. As before, assume that you have two files called `savings` and `checking` such that each row in those files has (SSN, Fname, Lname, Amount) fields with the same format as the test data provided for Homework 1. As per homework 2, you should have code that automatically creates Oracle tables using these two files.

Write a C program that allows the user to choose one of the following three options:

1. Find the `FNAME`, `LNAME` of all individuals who have over 100K in their savings account.
2. Find the total *number* of individuals who have over 100K collectively in their savings and checking accounts (thus, for example, if someone had 60K in the savings and 50K in their checking, their collective account value would be 110K).
3. Find the *average* balance in the savings and checking accounts.

Test your programs on the test data provided for Homework 1.