

Programming and Data Structure Lab [CS19003][Section-1]

Assignment-5

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Write a C program for a simple database search as described below. Save the file as **A05_Roll_Number.c**. Build and run to check your program. Upload the .c file for the assignment in MS teams.

1. Generate a database of three 4-digit account numbers and corresponding available balances (less than 1000 INR) using 1D-Arrays. Later a user should be able to withdraw money from their account. The program should take the account number and withdrawal amount as input and check whether that is a valid account number and if the withdrawal amount is less than the available balance. If that is the case, then a transaction should take place and the program should update the available balance in the account. In case of failure the program should output appropriate error messages like *Invalid Account, Insufficient Balance*. [50]

Sample Output: Here is one sample output:

Database:

Account Number of User 1: 1 2 3 4 Available Balance: 150

Account Number of User 2: 3 4 3 2 Available Balance: 78

Account Number of User 3: 5 6 3 2 Available Balance: 7800

Transaction Time:

Please enter your Account Number: 3 4 3 2

Withdraw amount: 10

Transaction successful.

Do you want to see your updated balance? [enter 1 for yes and 0 for no]: 1

Available Balance updated:

Account Number: 3 4 3 2 Available Balance: 68