ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)

ORGANISATION OF ISLAMIC COOPERATION (OIC)

Department of Computer Science and Engineering (CSE)

Course: 4108, Lab Task 9-1b

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Islamic University of Technology handles all its transactions, both for teachers' salaries, and students' tuition fees & allowances through AB Bank. However, IUT has decided to create a bank (in the language C, who knows why) to handle its own transactions. In order to create a bank, the account 'structure' needs to be created. The 'account' will have the following information:

Name (character)
Designation (number/character)
Date of Birth (date)
Address (address)
Phone Number (character)
Account type (number/character)
Bank Balance (real number)
Reference (student)

The Designation can be 'student', 'Lecturer', 'Associate Professor', 'Assistant Professor' or 'Professor'. They can also be numbered 1, 2, 3, and 4, respectively. The account can be of two types 'savings' or 'current', which are numbered 1 and 2 respectively. The Reference needs to be another account which is already in the bank (for security purposes) and contains all information. The Reference information needs to be consistent with the corresponding account information. Consistent means there will be no conflicting data in any of the accounts' information. Create structures as per requirement, however, do not use any information that is not mentioned in the above data-format. Take the information for each account as input from console or initialize as you see fit.

N.B. Transactions are give and take actions concerning money. A transaction of giving money to the bank or storing money in one's bank account is called a 'deposit'. On the other hand, the transaction to take money from one's bank account is called a 'withdrawal'.