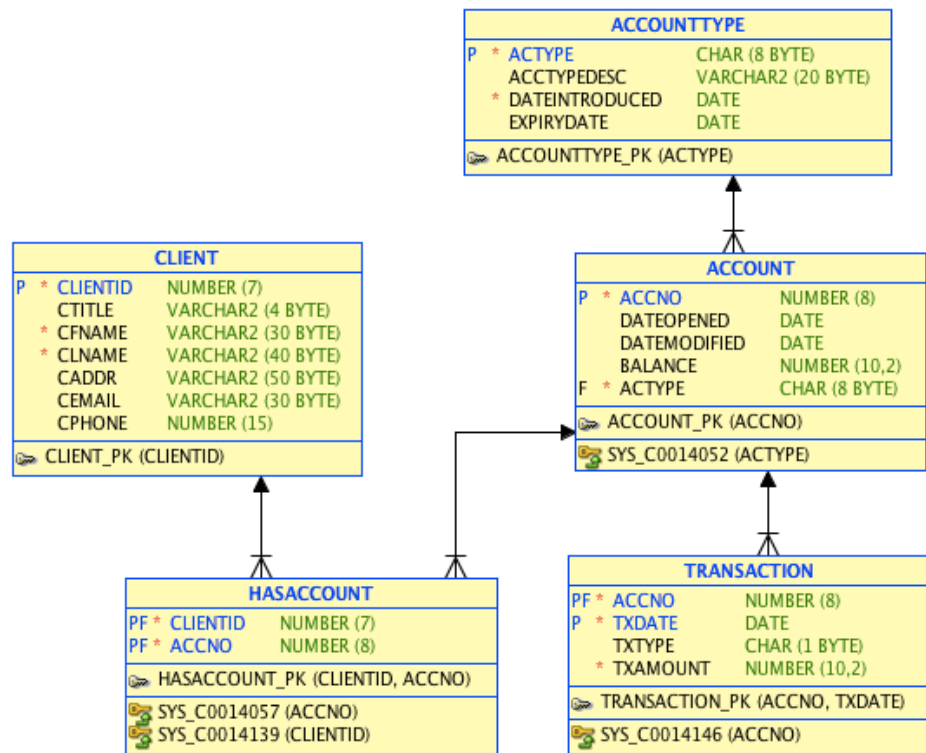


A bank offers different types of accounts to clients. Each account is usually, but not always given an account type. A client may hold many accounts and may also hold joint accounts. There are several types of accounts but ones that are deposit accounts have the word 'deposit' somewhere in the ACCTYPEDESC attribute, while current accounts have the word 'current' there. Transactions must be associated with an account and must be of type (TXTYPE) D for deposit or W for withdrawal.

This schema can be created and populated using the script



HALFFULLBANK.SQL. Answer the following queries:

1. Create a view called CLIENTHAS that will hold the clientid, clientname and accno for each client, regardless of whether or not they have an account. The clientname should be made up of the ctitle, ' ', cfname, ' ' and clname concatenated together.
2. Write a query to return every client's name and number of accounts they hold.
3. Write a query to return the clientname of any client who has a joint account.
4. Return full details from the accounttype table for account types that are not in use in the account table.
5. Using views to help you, write queries to return the names of clients who:
 - a. have a deposit account or a current account
 - b. have both a deposit account and a current account
 - c. have a deposit account but not a current account
 - d. have a current account but not a deposit account
 - e. have either a current or a deposit account, but not both.

Week 3

1. Finish any queries that you did not complete last week.
2. Write a query to show each client's name and the total sum of deposits (txtype = 'D') that have been made into any of their accounts. (Hint: The first line is Sally Greene 500)
3. Write a query to return a list of clients into whose account a deposit has been made (i.e. a transaction with txtype = 'D').
4. Write a query to return a list of clients from whose account a withdrawal has been made (i.e. a transaction with txtype = 'W').
5. Write a query to list the clients who have had deposits made, but no withdrawals.
6. To write a query to return a list of client names who hold every type of deposit account, using the relational divide.