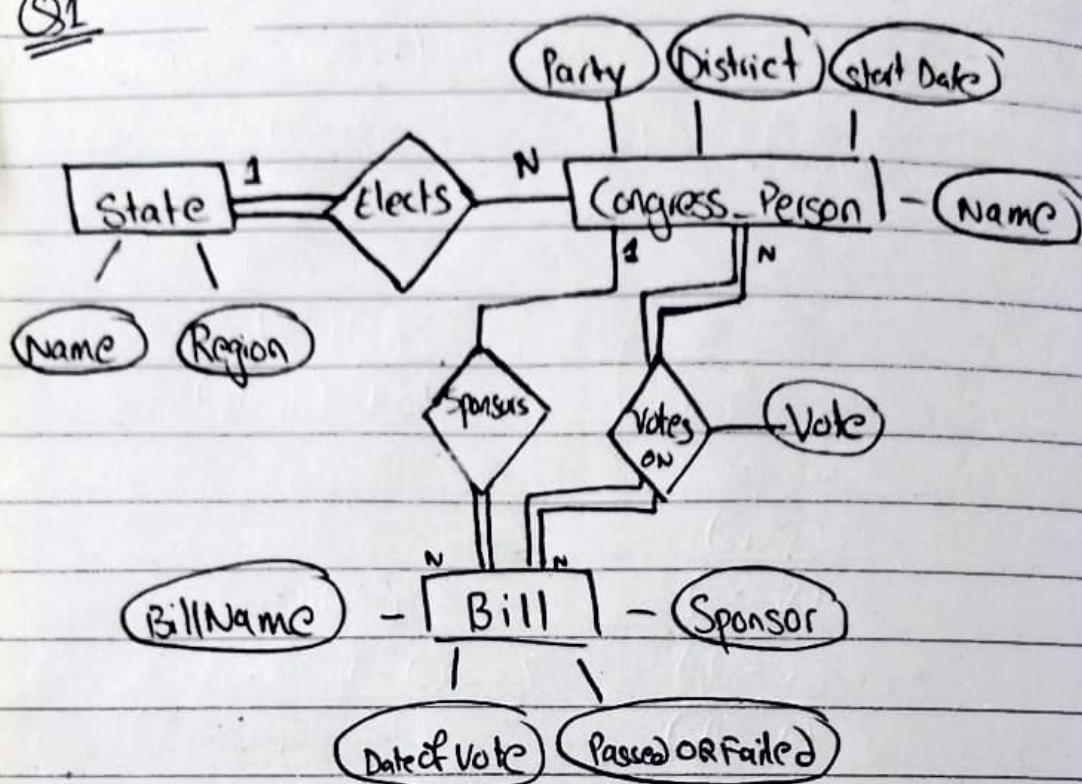
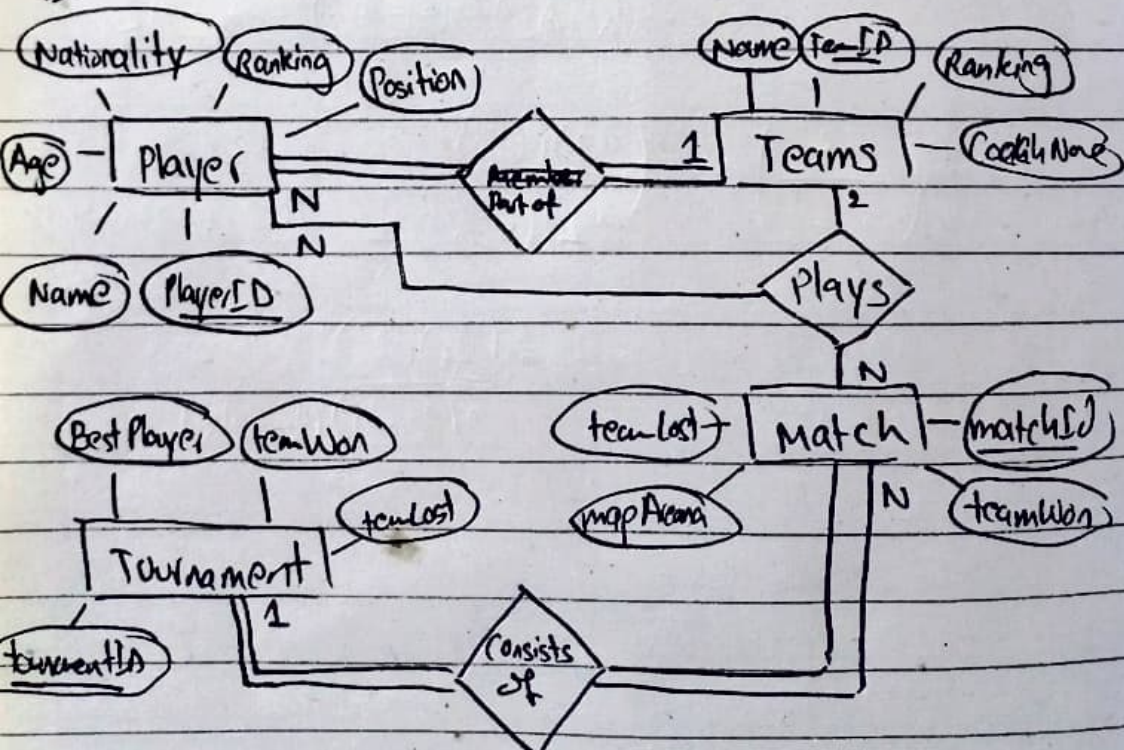


Q1



Q2

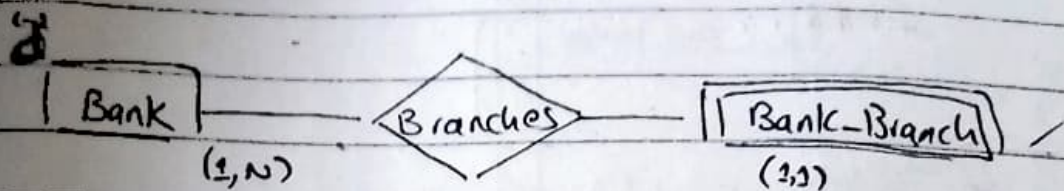
Esports Evo Tournament (Overwatch)



Q3a Bank, Account, Loan, Customer

6 Bank Branch : Partial key : Branch-No

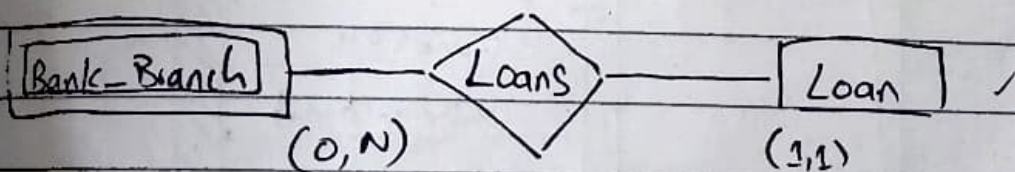
Identifying Relationship : Branches



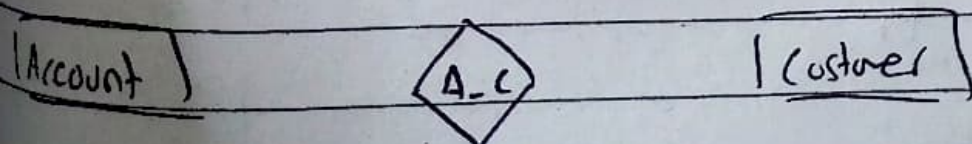
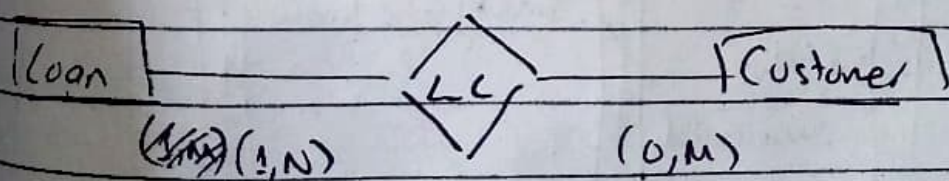
Assumption: 1 Bank can have N Bank-Branches, but 1 Bank-Branch belongs to 1 Bank.



Assumption: 1 Bank Branch can have N accounts, but



Assumption: L.B.

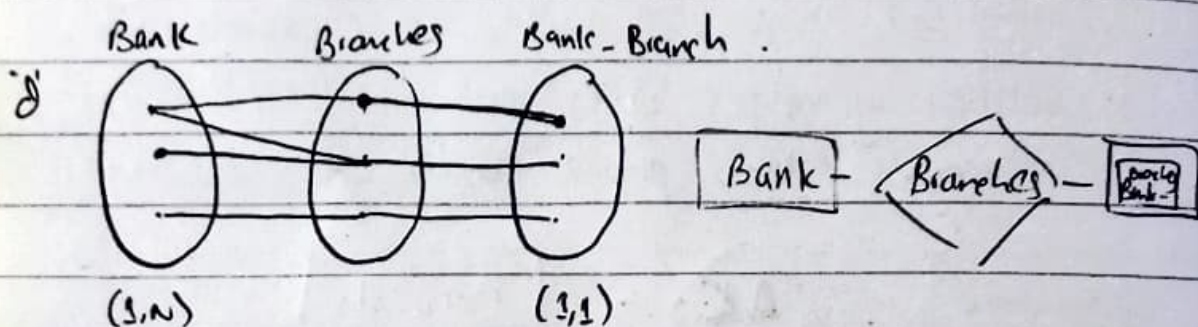


Q3a Bank, Account, Loan, Customer

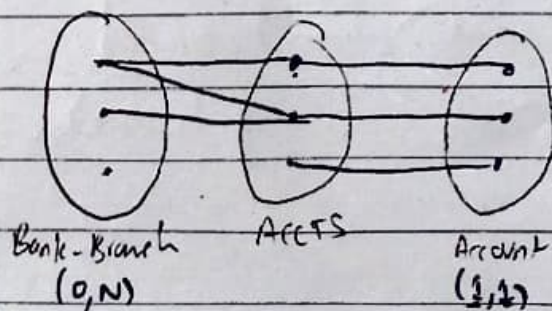
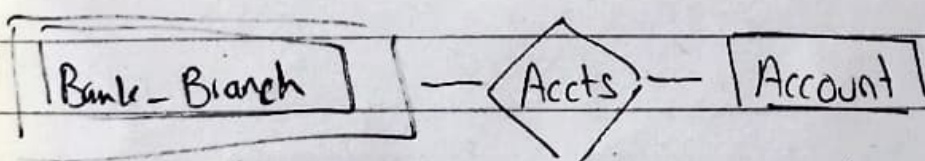
i Bank Branch: Partial Key: Branch-No

Identifying Relationship: Branches

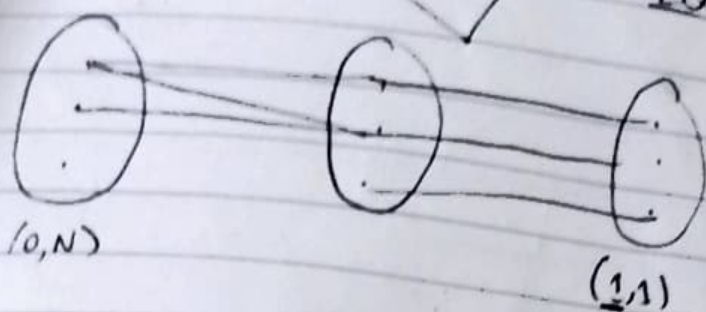
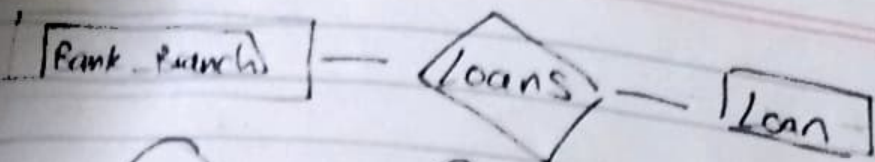
ii Every Bank-Branch has a Branch-No which might not be unique however, when fused or made dependent with a strong entity such as Bank, it becomes unique and distinct.



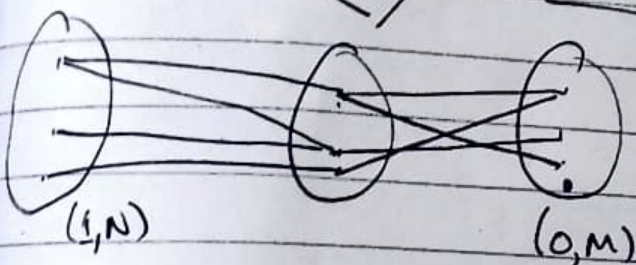
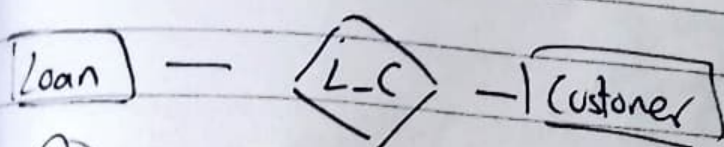
Assumption: 1 Bank can have N Bank-Branches but only 1 Bank-Branch belongs to 1 Bank.



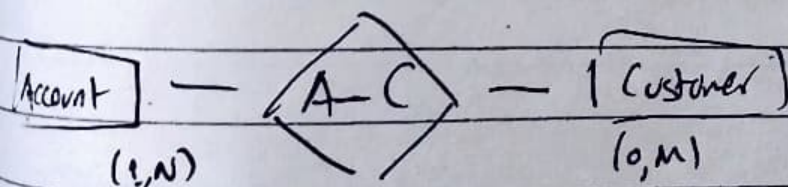
Assumption: 1 Bank Branch can have many Accounts but an Account can exist without a bank-Branch (0)



Assumption:- 1 Bank Branch can have many loans^(N),
 (i) a customer can take a loan regardless if there is a bank-branch or not. (0)



1 or ~~var~~ Many loan can be taken by Many customers but not necessarily all customers will take a loan.



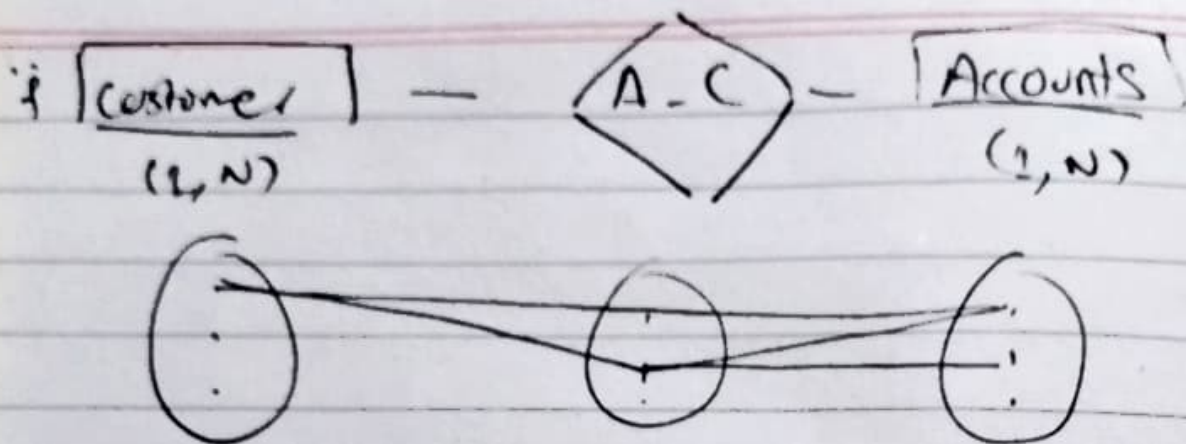
$(1, N)$

$(0, M)$

Assumption:- 1 or many accounts can be opened by many customers but not all customers might open an account.

*(A customer can have multiple Accounts such as Savings, Joint etc.).

c) Every Bank is identified by a unique-code, a name and an address. Each Bank has Bank-Branches and are identified by their own Branch-No, which depends on the Bank, as well as an address for the branch. The Bank-Branch opens Accounts, which are identified by a unique account number, and also keeps a track of the account balance and type of account. The Bank-Branch also takes out Loans, which are identified by a unique loan number, and with amount and type of loan. Account and Loan services are availed to customer who is identified by unique SSN. Bank also keeps record of customer's name, phone number and address.



Assumption:- As mentioned in the question

