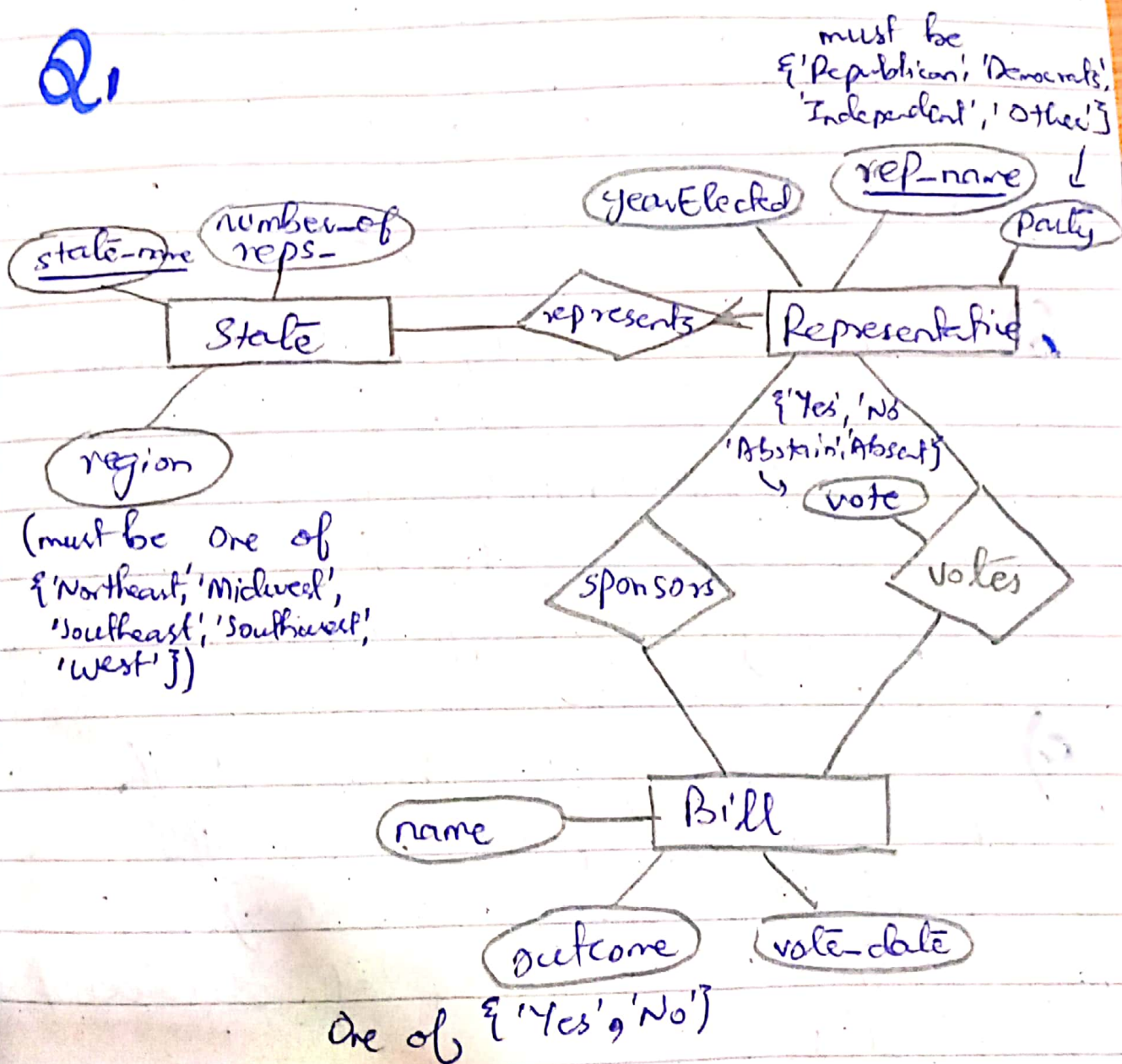


Database Assignment 02

Bilal Ahmed Khan

20K-0183 ; Sec: B

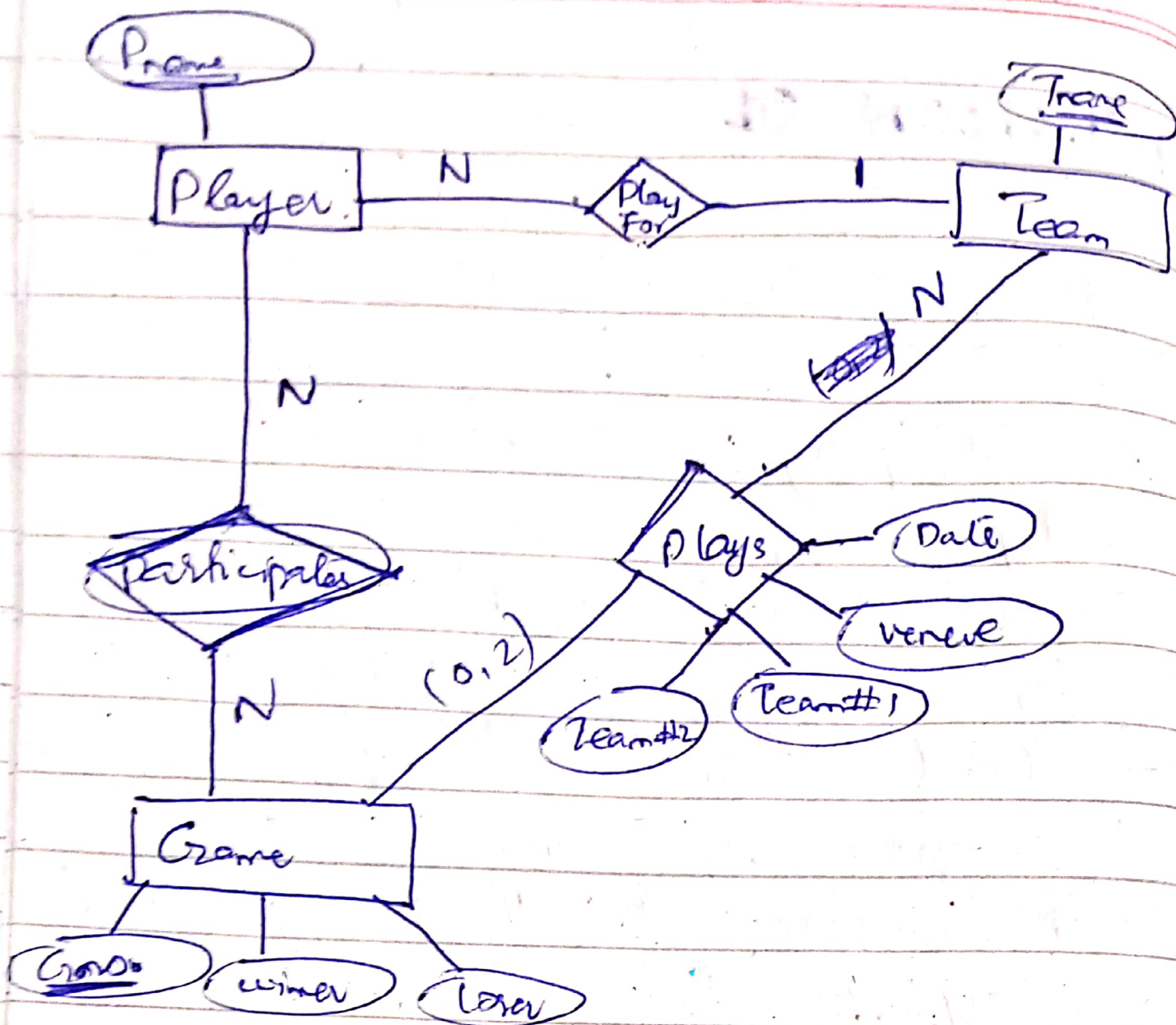
Q1



QUESTION 02

Sport chosen: Football

- Each player will be identified by a unique player name
- each game will be identified by a unique game-number
- Each team will have a unique team name and will be related to the players which play in it.
- Each team will participate in a game with a specified number of players



QUESTION 03

a) Strong entity types:

- i) Bank
- ii) Account
- iii) Loan
- iv) Customer.

b) One weak entity is listed below.

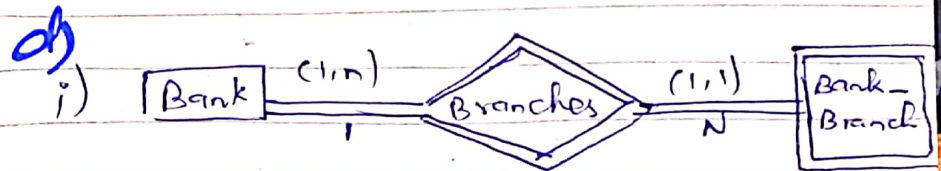
Name: Bank-Branch

partial key: Branch-no

Identifying Relationship: Branches

c) The partialkey 'Branch-No' of the Bank-Branch specifies that the identical branch-no value may be assigned to branches of different banks.

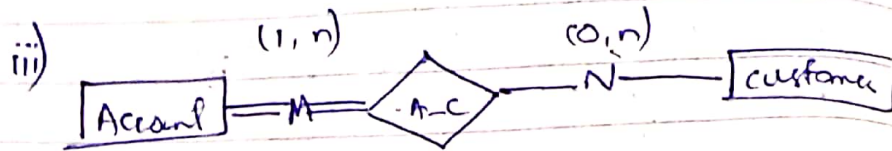
The "Branches" relationship specifies that "Branch-No" values are uniquely assigned to Bank-Branch entities that are related to same Bank. The full identities of Bank-Branch is constructed by combining "Branch-no" & "Bank-code" giving it a unique identifying value.



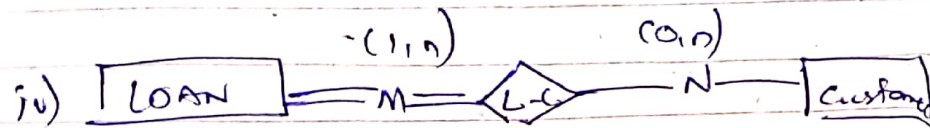
One bank can have multiple or at least 1 branch, but a bank branch can only be related to a single bank at max



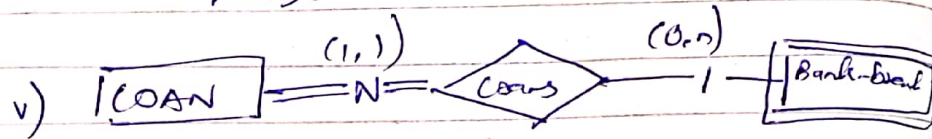
One bank branch can have 0 or n accounts but one account must only be related to a single bank branch



An account can have 1 or multiple customers, but a customer can have 0 or multiple accounts



Loan can be given to 1 or multiple customers, but a customer can have 0 or multiple loans.



- e)
- each "bank" has a unique code, Name and address
 - each "bank" is related to one or more "bank-branches" & the branch-no is unique for each bank branch. Each bank branch has an address
 - Each branch has given zero or more loans to zero or more bank accounts.
 - Each "Account" has a unique Acct-no, balance & type and is related to at least one or more customers
 - Each "loan" has a loan number, amount & type & is related to exactly one bank branch & to atleast 1 customer
 - A customer has a unique SSN, Name, Phone & address and can have zero or more accounts or zero or more LOANS.

7)

