DBMS Online Assessment

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Sem: 6th Sem 'A' Sec

1 Draw the Schema diagram and ER diagram

a) Consider the following relations:

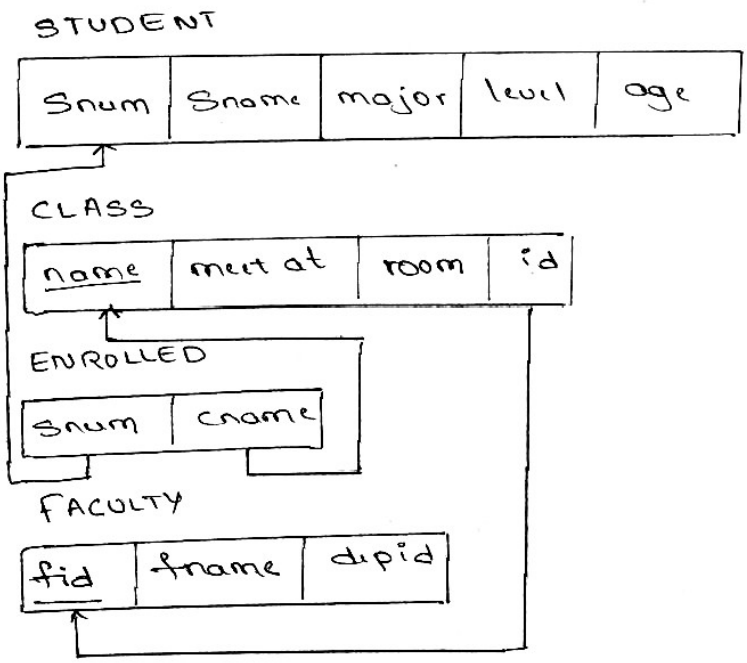
Student (Snum: Integer, Sname: string, major: string
level: string, age: Integer)

Class (name: string, meetat: string, room: string
id: integer)

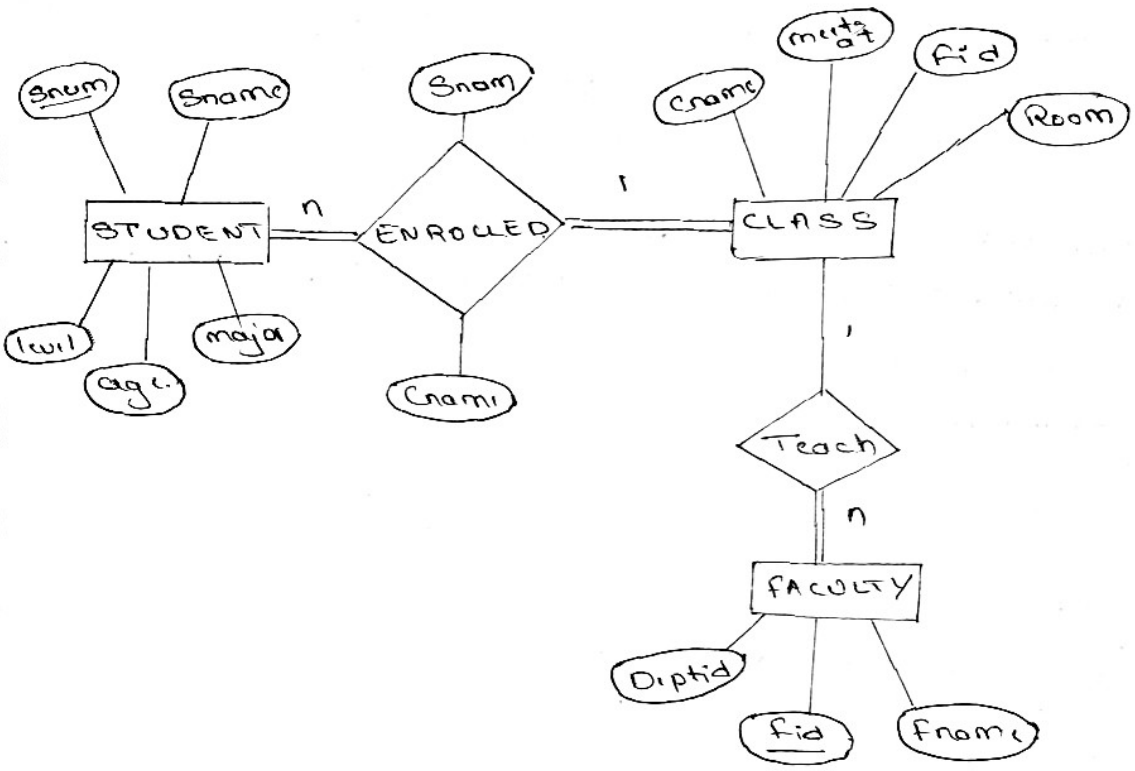
Enrolled (Snum: integer, Cname: string)

faculty (fid: integer, fname: string, dupid: integer)

→ Schema diagram



ER diagram



2 Consider the following database for banking enterprise.

BRANCH (branch_name : string , branch_city : string , amts : real)

ACCOUNT (accno : int , branch_name : string , balance : real)

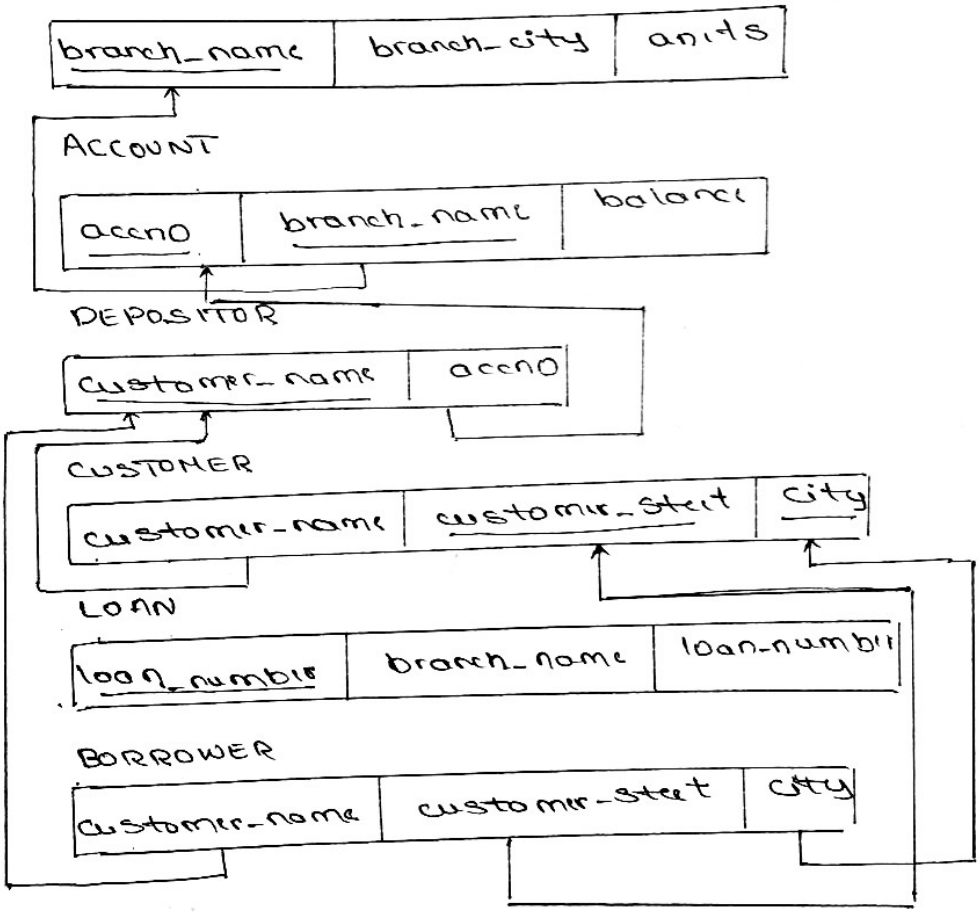
DEPOSITOR (customer_name : string , accno : int)

CUSTOMER (customer_name : string , customer_street : string
city : string)

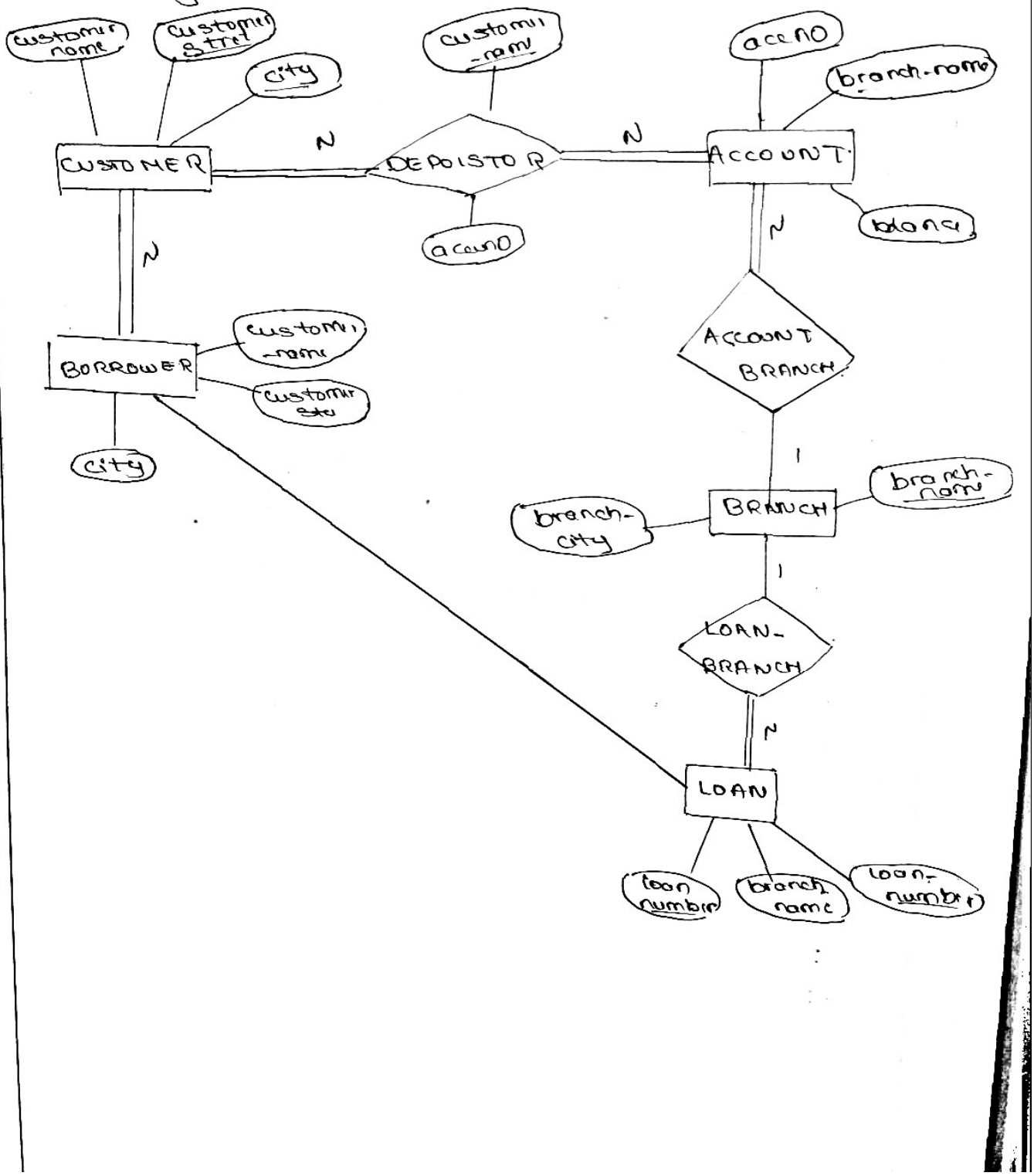
LOAN (loan_number : int , branch_name : string ,
loan_number : int)

BORROWER (customer_name : string , customer street : string
city : string)

Schema diagram



ER diagram


customer name
customer street
city
customer-name
accNO
branch-name
CUSTOMER
N
DEPOISTOR
N
ACCOUNT
accNO
balance
N
N
BORROWER
customer-name
customer street
city
ACCOUNT BRANCH
1
branch-city
BRANCH
branch-name
1
LOAN-BRANCH
N
LOAN
loan number
branch name
loan-number