# CS443 – Lab 2

Question 1:

Consider the following information:

Supplier: SupplierId, SupplierName, SupplierAddress (The address consists of StreetName, AptNo, Postal Code)
Shipment: ShipmentId, ShipmentDate, ShipmentTime
Item: ItemNo, ItemDescription, QuantityOnHand

One supplier can send many shipments; however, a particular shipment is only sent by one supplier. One item can be in many shipments and a shipment can include many items. A supplier can supply many items, and a particular item can also be supplied by many suppliers.

    a) **Create your ERD.**
    b) **Create associated tables**
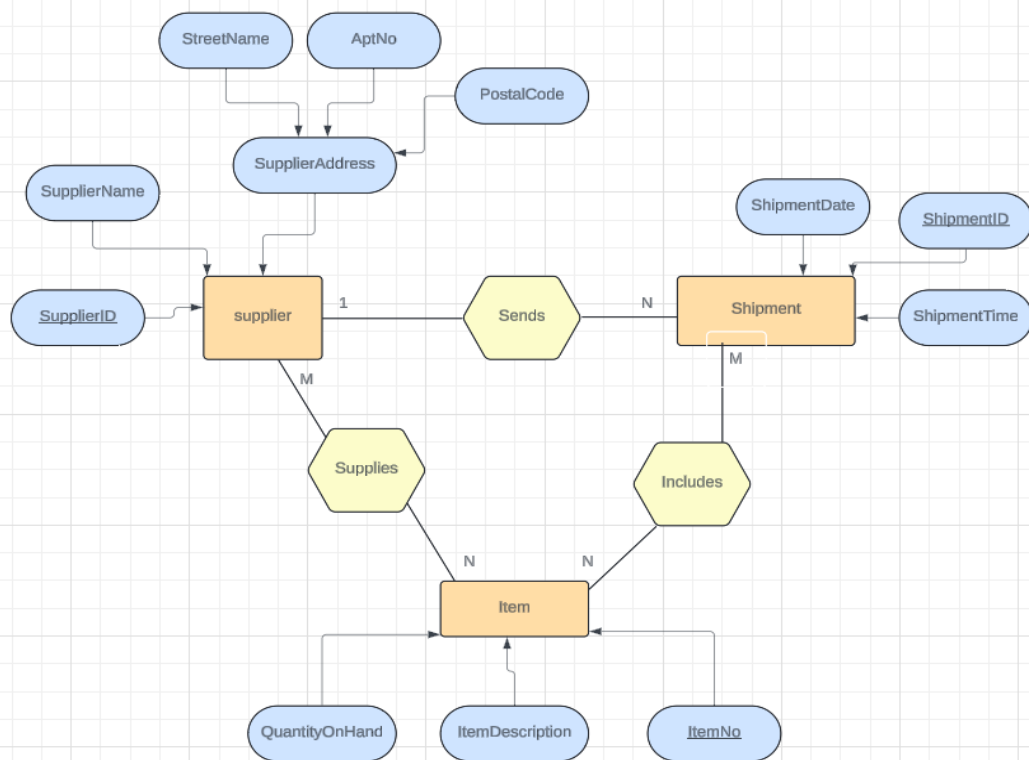
Supplier Table:

SupplierID	SupplierName	StreetName	AptNo.	PostalCode

Shippment Table:

ShipmentID	ShipmentDate	ShipmentTime	SupplierID*

Item Table:

ItemNo	ItemDescreiption	QuantityOnHand

Supply Table:

SupplierId	ItemNo*

Include Table:

ShipmentID	ItemNo*

Question 2:

Provide the tables for the following ERD

St-Id

S-name

S-age

S-email

Student

N

D-Id

D-name

D-Loc

Department

1

1

Takes

M

M

Course

C-CRN

C-name

C-des

Has

Teaches

Offers

F-Id

N

F-name

Faculty

1

1

F-major

F-Office

Teaches

1

Major

M-name

M

Dependent

name

Gender

age
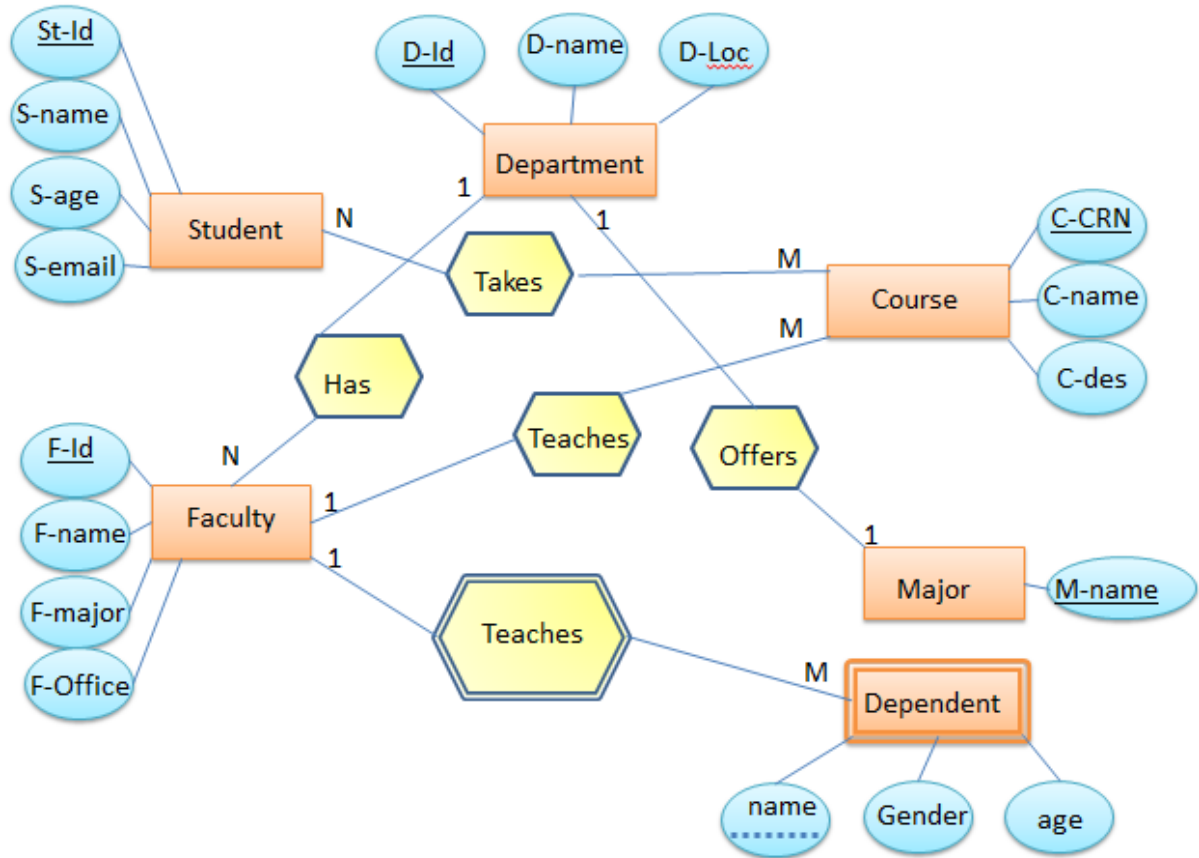
Student Table:

St-Id	S-name	S-age	S-email

Takes Table:

St-id	C-CRN*

Faculty Table:

F-Id	D-id*	F-name	F-major	F-Office

Department Table:

D-Id	D-name	D-Loc

Major Table:

M-name	D-id*

Course Table:

C-CRN	C-name	C-des	F-id*

Dependent Table:

F-id* & Name	Gender	age

Question 3:

Provide the tables for the following ERD
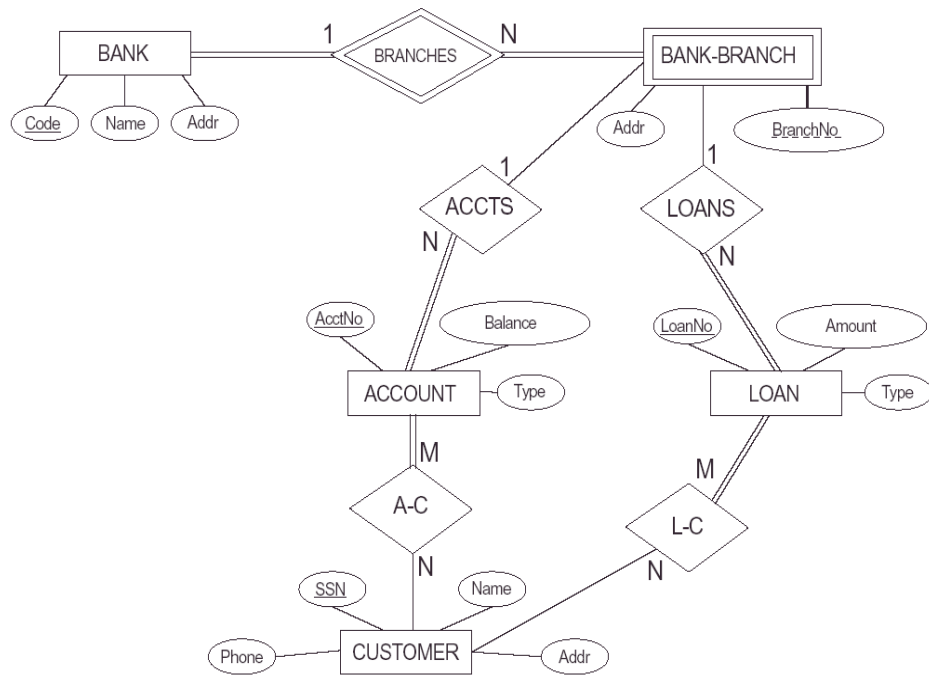
Bank Table:

Code	Name	Addr

Bank-Branch Table:

BranchNO	Code*	Addr

Account Table:

AcctNo	Balance	AccountType	BranchNO*	Code*

Loan Table:

LoanNo	Amount	LoanType	BranchNO*	Code*

Customer Table:

SSN	Phone	CustomerName	CustomerAddr

A-C Table:

SSN*	AcctNo*

L-C Table:

SNN*	LoanNo*