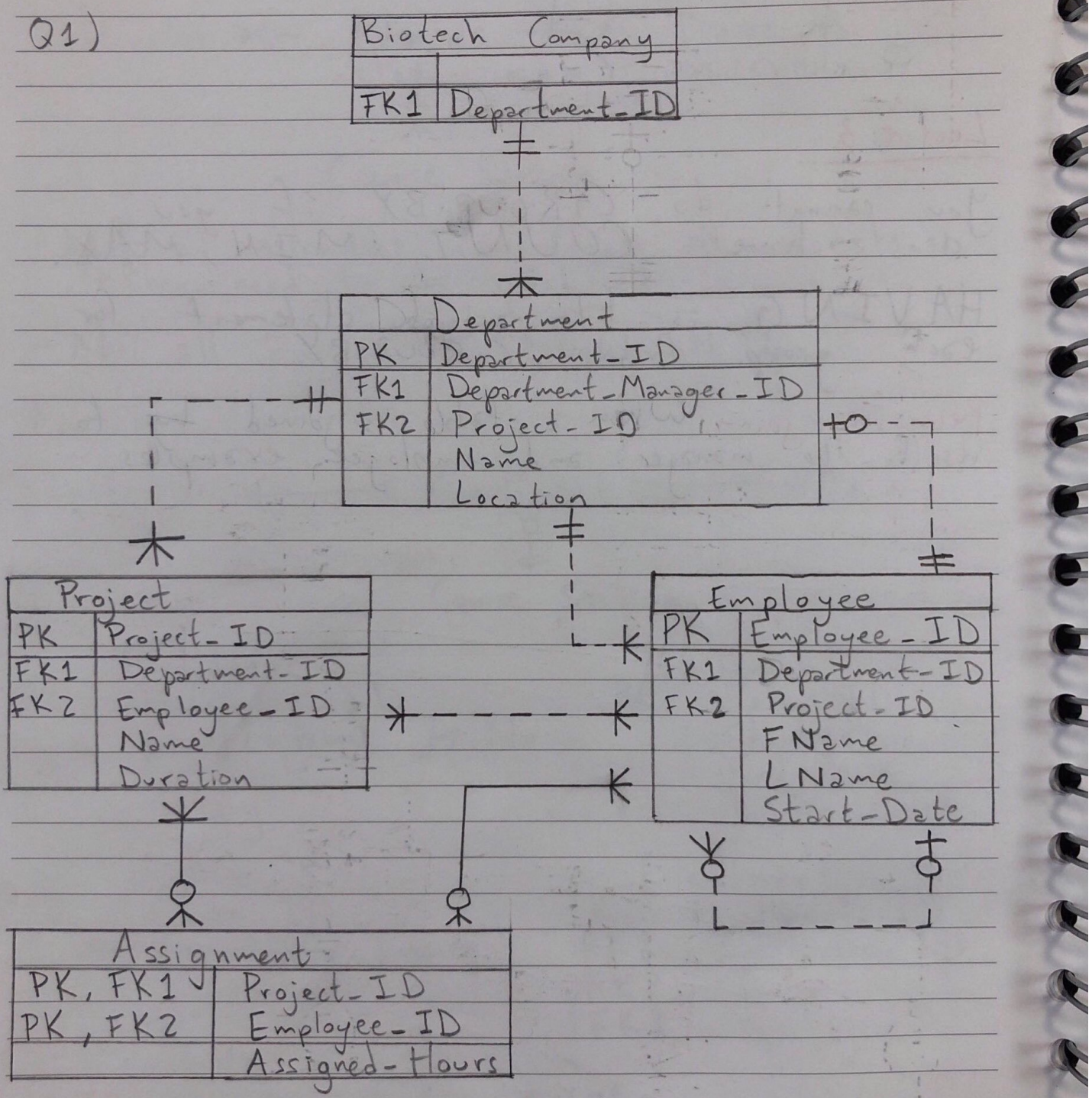
ESTO ES TIGRES

Homework #1

Q1)



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Q2) Univision Network

Location	
PK	Location_ID
FK1	TV_Broadcast_ID
FK2	Newspaper_ID
FK3	Building_ID

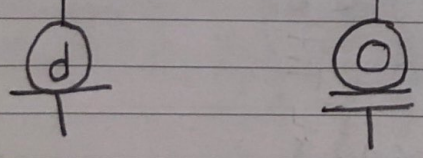
TV Broadcast	
PK	TV_Broadcast_ID
	Broadcast_Time
	TV_Channel
FK1	TVEmployee_ID

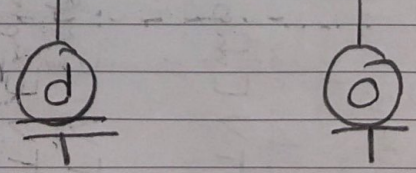
Newspaper	
PK	Newspaper_ID
	Printing_Time
	Amount_Pages
FK1	NPEmployee_ID

Building	
PK	Building_ID
	Address
	Maintenance_Date

TV Employee	
PK	TVEmployee_ID
	Hire_Date
	Employee_Type

NP Employee	
PK	NPEmployee_ID
	Hire_Date
	Employee_Type





Answer continues in the next page...

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TV Employee	
PK	TVEmployee_ID
	Hire_Date
	Employee_Type

NP Employee	
PK	NPEmployee_ID
	Hire_Date
	Employee_Type

d

"H"

Human Resources	
PK, FK1	TVEmployee-ID
	Admin-Title

"AC"

Accountant	
PK, FK1	TVEmployee_ID
	Certifications

"M"

Marketing	
PK, FK1	TVEmployee_ID
	Assigned-Projects

O

"A"

Anchor	
PK, FK1	TVEmployee-ID
	Presented-Shows

"R"

Reporter	
PK, FK1	TVEmployee_ID
	Assigned-News

"P"

Producer	
PK, FK1	TVEmployee-ID
	Shows-Produced

d

"Mgmt"

Management	
PK, FK1	NPEmployee_ID
	Mgmt_Role

"S"

Sales	
PK, FK1	NPEmployee-ID
	Clients

"F"

Finance	
PK, FK1	NPEmployee-ID
	Projects

O

"W"

Writer	
PK, FK1	NPEmployee-ID
	Assigned-Articles

"E"

Editor	
PK, FK1	NPEmployee_ID
	Edited-Articles

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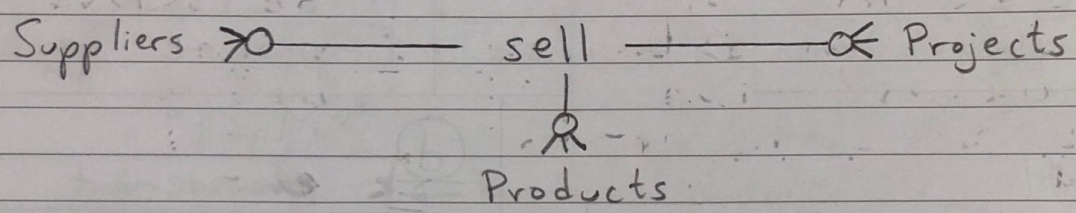
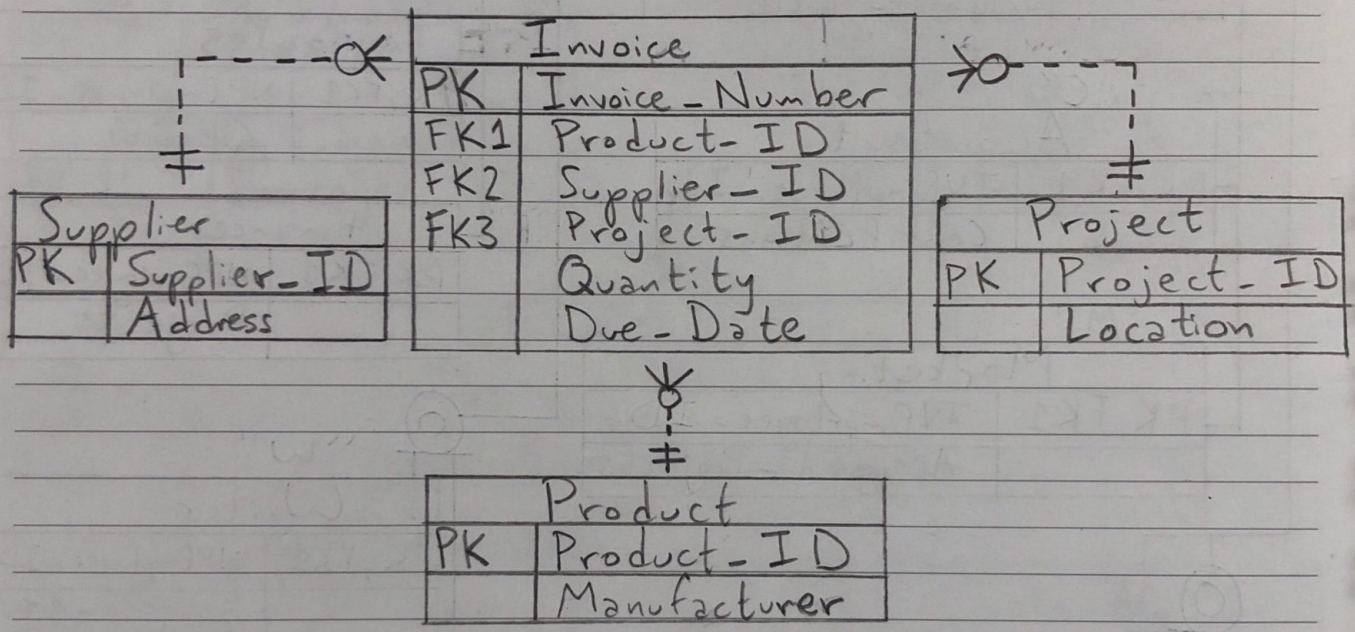
Q3)

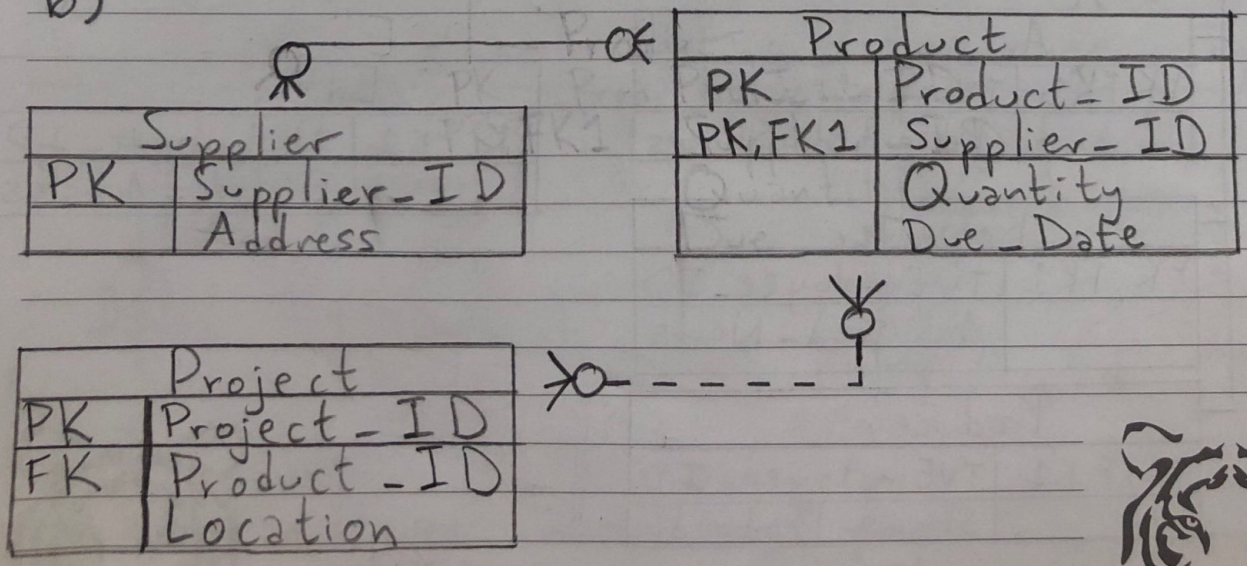
a:- Conceptual:



Logical:



b)



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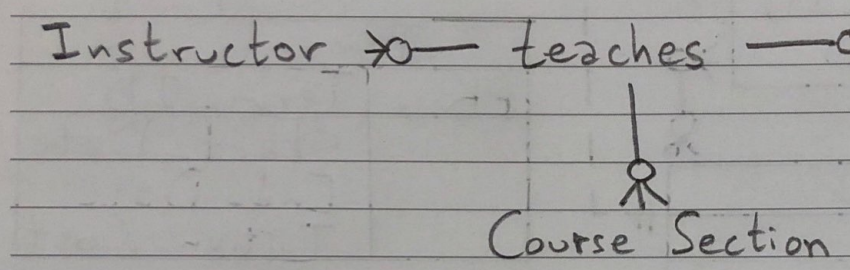
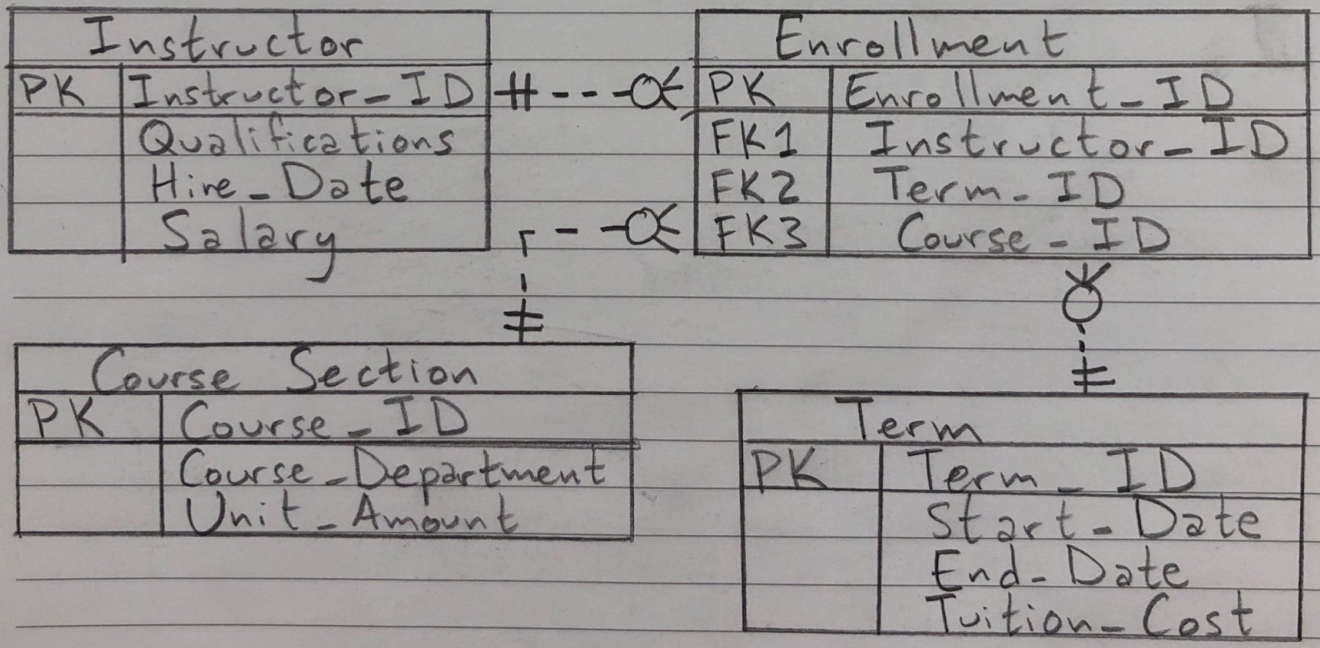
c) The independence of product to supplier is lost. Now, the product table is dependent on the supplier table because it has a composite key that uses the supplier's primary key. Therefore, it is a strong relationship. As a result, Product is a weak entity.

Q4) Conceptual:



Logical (4 tables):



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Logical (5 tables):

Instructor	
PK	Instructor_ID
	Hire_Date
	Salary

Enrollment	
PK	Enrollment_ID
FK1	Instructor_ID
FK2	Term_ID
FK3	Course_ID

Qualifications	
PK, FK1	Instructor_ID
PK, FK2	Course_ID

Term	
PK	Term_ID
	Start_Date
	End_Date
	Tuition_Cost

Course Section	
PK	Course_ID
	Course_Department
	Unit_Amount

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