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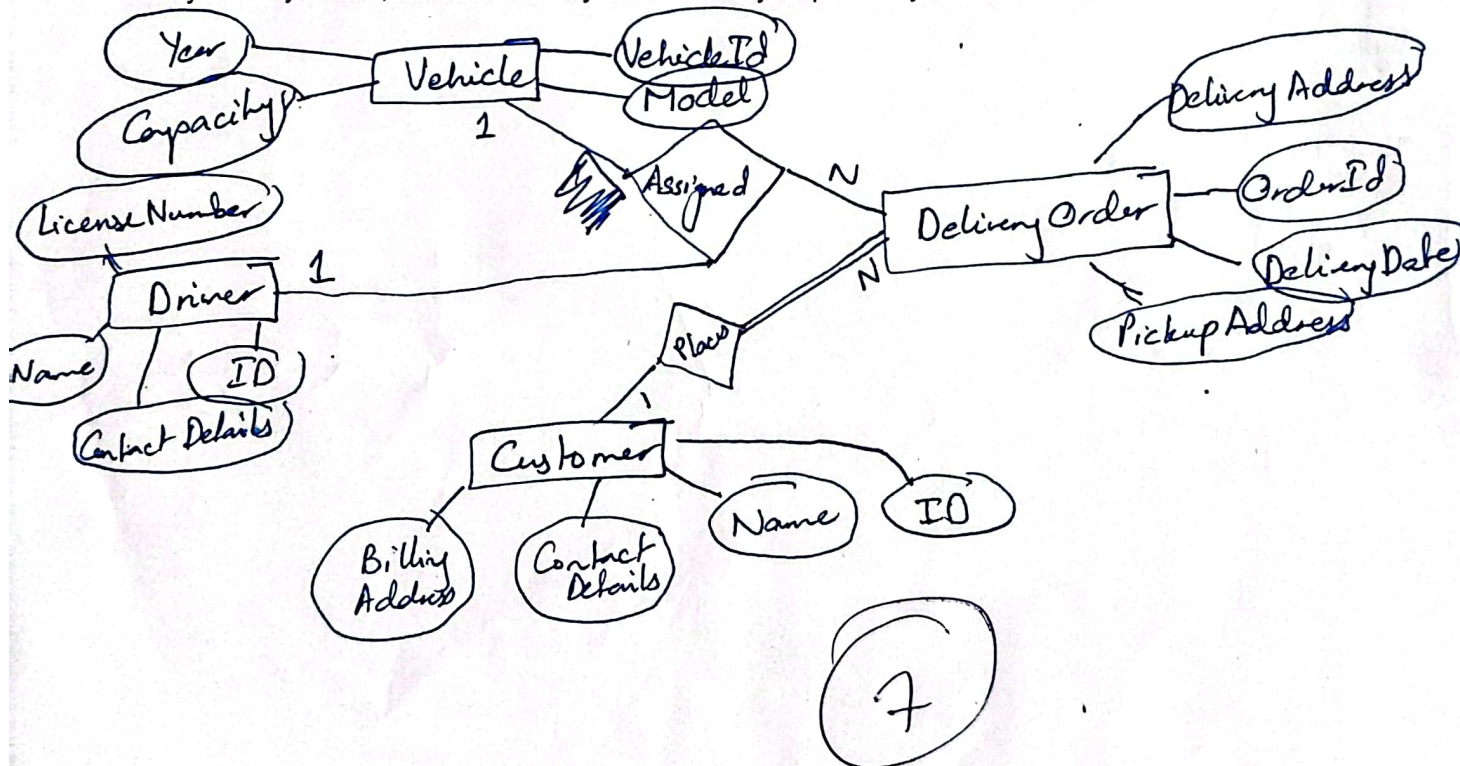
National University of Computer and Emerging Sciences, Lahore Campus

	Course Name:	Database Systems	Course Code:	CS2005
	Degree Program:	BS(Computer Science)	Semester:	Spring 2023
	Date:		Total Marks:	30
	Section:	BCS-4J	Type:	Quiz

Q1- Map the following scenario into EERD/ERD.

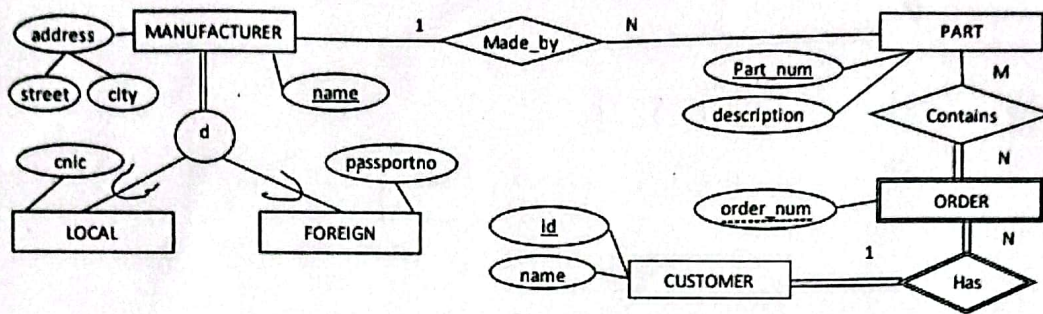
[10]

A company called XYZ Corp. manages a fleet of vehicles used for delivery services. The company has a database to keep track of the vehicles, drivers, and delivery orders. The Vehicle entity would have attributes such as Vehicle ID, Model, Year, and Capacity. The Driver entity would have attributes such as ID, Name, Contact Details, and License Number. The Delivery Order entity would have attributes such as Order ID, Pickup Address, Delivery Address, and Delivery Date. The Customer entity would have attributes such as ID, Name, Contact Details, and Billing Address. A Vehicle can be assigned to many Delivery Orders, but each Delivery Order can only have one Vehicle assigned to it. A Driver can be assigned to many Delivery Orders, but each Delivery Order can only have one Driver assigned to it. A Customer can place many Delivery Orders, but each Delivery Order can only be placed by one Customer.

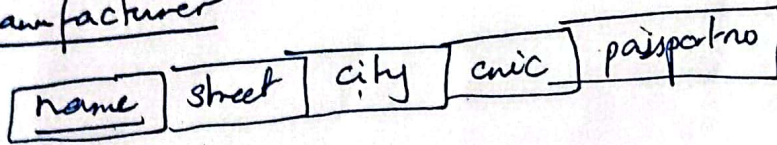


Q2- Convert the following EERD to relational database:

[20]

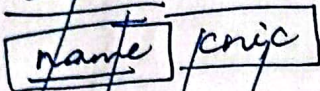


Manufacturer

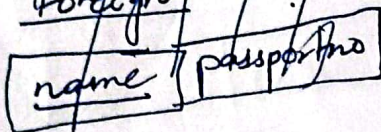


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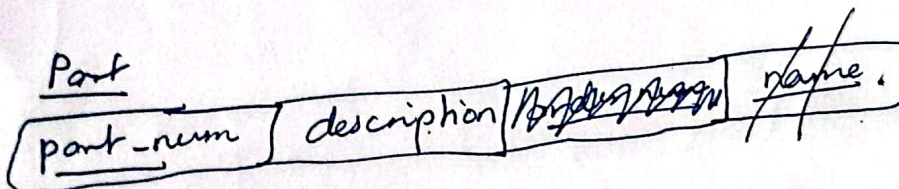
Local



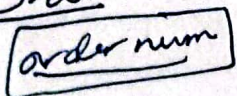
Foreign



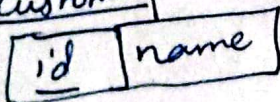
Part



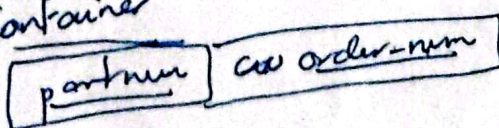
Order



Customer



Container



CHD