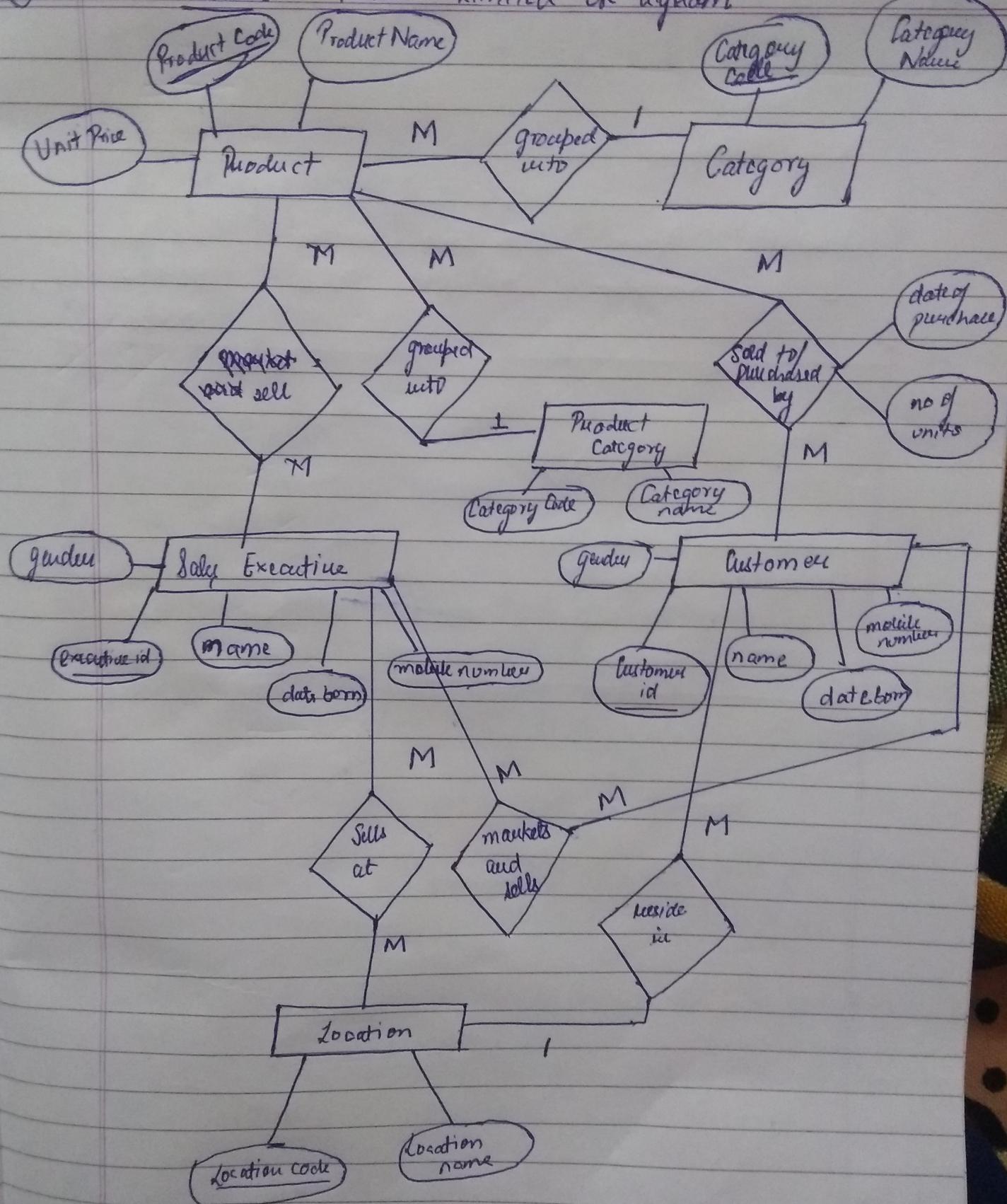


①

Hamens Private Limited ER diagram



Transforming ER diagram to relations [as normalized as possible]

The following table can be made:-

- a) Customer Table
- b) Products Table
- c) Sales Executive Table
- d) Category Table
- e) Location Table
- f) Purchase Table
- g) Market And Sell Table.

a) Customer Table \Rightarrow Stores Details of customers

Customer Id	Name	Date Born	Gender	Mobile Number

b) Product Table \Rightarrow Stores details of all the products

Product Code	Product Name	Unit Price

c) Sales Executive Table \Rightarrow Details about the sales executives

Executive Id	Name	Date Born	Gender	Mobile Number

d) Category Table \Rightarrow Categories to which a product can belong

Category Code	Category Name

i) Location Table \Rightarrow different locations which are available

Location Code	Location Name

ii) Purchase Table \Rightarrow Table which stores the products purchased by customer and its information.

Product Code	Date of Purchase	Customer Id	Units purchased

(5 columns)

Location Code

iii) Market & Sell table \Rightarrow Which sales executive is going to sell it to the customer

Sales Executive Id	Customer Id	Location Code

The possible normalization can be done in customer table where a customer has entered more than one phone number of himself. In that case the table won't be normalized anymore. Hence to make the table 1NF normalized we need to write it in different rows i.e same name of customer appearing in different rows.

Normal Customer table

Customer Id	Name	Date Born	Gender	Mobile Number
1	Anubhav	04/08/1998	Male	0299997891 9843546820

↓ INF normalized

Customer Id	Name	Date Born	Gender	Mobile Number
1	Anubhav	04/08/1998	Male	0299997891
1	Anubhav	04/08/1998	Male	9843546820