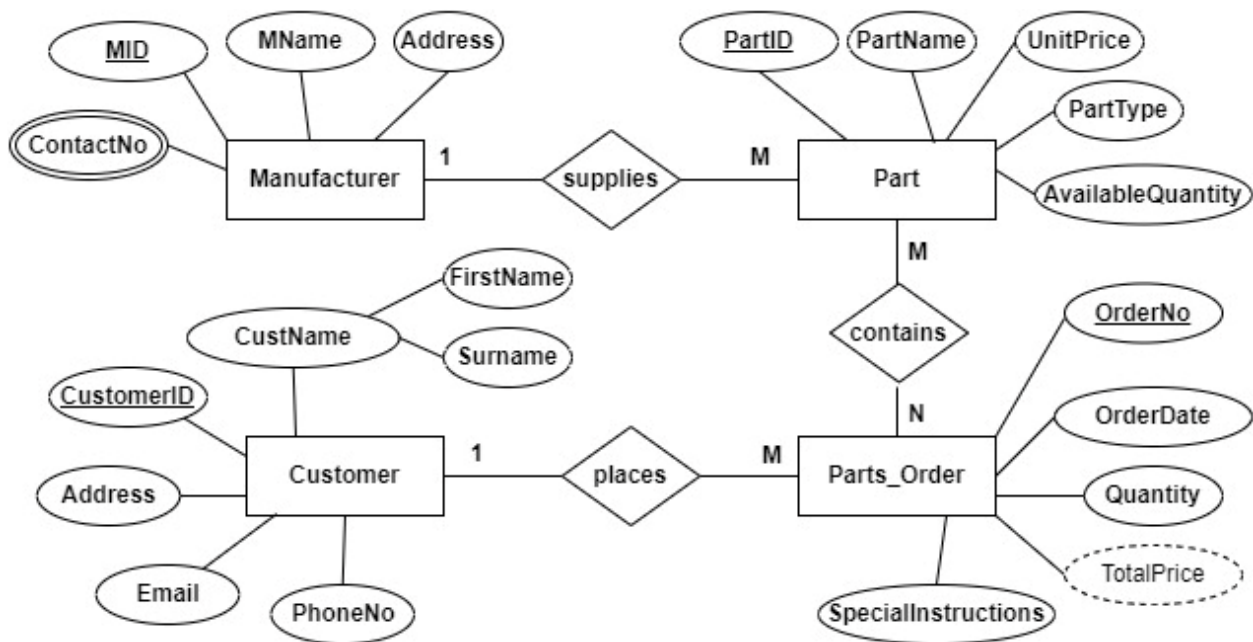




LAB 03 (2 hours)



Consider the above given ER diagram which models the system of a small shop called ABCIndustries. Write SQL statements for the following questions using MySQL Workbench.

- Create the database 'ABCIndustries'. (3 Marks)
- Create the tables for the entities identified using the ER diagram with appropriate data types and integrity constraints. (30 Marks)
- Setup referential integrity links between the above tables based on the primary & foreign keys. (20 marks)
- Populate the tables with sample data. Each table should have at least 3 rows. (15 marks)

- e. Write **SQL queries** to answer the questions given below.
- (i) Obtain list of all the orders placed for parts after a given date as a user input. (5 marks)
 - (ii) Find the number of parts in the Part table which belong to a given part type. (5 marks)
 - (iii) Obtain a list of all the manufacturers with their names and addresses in the alphabetical order of the name of the manufacturer. (5 marks)
 - (iv) Increase the unit price of the parts by Rs.50/- of all those which have the available quantity more than 5. (5 marks)
 - (v) Add a new column to the Parts_Order table as “DeliveryDate” to keep track of the latest date on which the delivery needs to be done. (6marks)
 - (vi) Delete all the records pertaining to the parts which are having the available quantity less than or equal to one. (6 marks)
- (You can do questions b and c together at the creation of tables)

**Add clear screen shots of your SQL code (and the results after running the code where necessary) to a word file, make it a pdf, rename with your Snumber and upload to the submission dropbox.

.....*End*.....