Database Management System – I Practical List
Practical – 4, 5 Task

4	**CRUD operation using DDL and DML Commands**
	PART A:
	1. Add a column in Customer_Detail → C_EmailID varchar(50) **(A)**
	2. Write an update query for Customer_Detail and update tuples as follows; **(A)**
	   C_ID → C_EmailID
	   101 → khushbupatel@gmail.com
	   102 → amitparmar@yahhoo.in
	   103 → pritiambani123@gmail.com
	   104 → payalvora00000@yahoo.in
	   105 → nikhilpatel@gmail.com
	   106 → shreyajoshi@yahoo.in
	   107 → rahuljani12345@gmail.com
	   108 → shyamkhimani@gmail.com
	   109 → mayuripatel00@gmail.com
	   110 → ekta_P@yahoo.in
	3. Add a column in Product_Detail → Cat_ID int **(A)**
	4. Write an update query for Product_Detail and update tuples as follows; **(A)**
	   P_ID → Cat_ID
	   301 → 201
	   302 → 201
	   303 → 201
	   304 → 203
	   305 → 205
	   306 → 202
	   307 → 202
	   308 → 203
	   309 → 203
	   310 → 205
	   311 → NULL
	   312 → 204
	   313 → 204
	5. Update customer Address from 'Meera road, Block D-101' to 'Green city main Road, Block D-102' whose C_ID = 110. **(A)**
	6. Update P_Price = 1700 which product name is Shirt. **(A)**
	7. Change the datatype from varchar to nvarchar for all tables and keep the size of 70. **(A)**
	8. Rename table from Payment_Detail to 'Order_Payment_Detail'. **(A)**
	9. Rename column from P_StockQuantity to P_Stock in Product_Detail. **(A)**
	10. Delete record from Product_Detail which P_Name = Noodles. **(A)**
	11. Delete record from Customer_Detail whose C_ID = 109. **(A)**

12. Drop column 'Cat_Description' from Category_Detail. **(A)**
13. Display data of all customers. **(A)**
14. Display all C_ID, C_EmailID, C_City from Customer_Detail. **(A)**
15. Display the customer's name who belongs to 'Rajkot' City. **(A)**
16. Display Order_ID whose payment status = 'Completed'. **(A)**

PART B:
17. Drop column 'C_MiddleName' from Customer_Detail. **(B)**
18. Display product name and product price from product detail. **(B)**
19. Display product name and product rating which belongs to clothing from product_Detail. **(B)**

PART C:
20. Display the price of facewash. **(C)**
21. Display all data from Product_detail which Category ID != NULL. **(C)**

5	**Aggregate Function**

PART A:
1. Count the total customer from Customer_Detail. **(A)**
2. Count the total row of P_DateTime except NULL records from Order_Payment_Detail. **(A)**
3. Count the product name from product_Detail. **(A)**
4. Find the sum of product stock from Product_Detail. **(A)**
5. Find the sum of all pending amounts from whose payment status is pending. **(A)**
6. Find the product which has maximum product price. **(A)**

PART B:
7. Find the average of product price from product_Detail. **(B)**
8. Find the product which has minimum rating. **(B)**
9. Display max, min and average product price from Product_Detail. **(B)**

PART C:
10. Find the highest-rated product. **(C)**
11. Find the total payment amount for orders that are marked as 'Completed' in the Order_Payment_Detail table. **(C)**