IT3223 Advanced Database Management Systems – Practical Exercise - 02

Consider a database, which contains the three relations **Salesdetails**, **Customerdetails** and **Itemdetails** given below. **Customerdetails** and **Itemdetails** are uniquely identified by **Customer number (CustomerNo)** and **Item number (ItemNo)** respectively.

CustomerNo	ItemNo	SalesQty
120	EU450	25
120	R7603	3
520	A9480	30
520	S0243	5

Tabel 01: Salesdetails

CustomerNo	CustomerName
101	rahunath
120	latha
201	ramanan
520	rajeshvaren

Tabel 02: Customerdetails

ItemNo	ItemName	UnitPrice
S0243	Anchor	325
R7603	Sunsilk	125
A9480	Lifeboy	25
EU450	Pencil	15

Table 03: Itemdetails

a) Create a database with name "**CustomerDB**" using MySQL having the above relations' instances with proper indication of Primary and Foreign keys.

b) Display the data definition for each of the relations.

c) List all the records for each of the relations.

d) Write down SQL statements for each of the following queries:

1. Display all the item names, sales quantities, unit prices, and total sales amounts for each item based on the sales data. (Sales Amount = UnitPrice * SalesQty).

2. Display all the item no, sales quantities and unit prices, which items have the lowest unit price.

3. Display the details of item numbers, item names, sales quantities, and customer names for each sale.

4. Display the **Customer No**, **Customer Name**, and **Total Sales Quantity** for each customer

5. List the items, which have a total sales amount of 250 or more, along with their customer names and sales quantities.