Advanced Database Management Systems Lab

Course Code : CSEG2015

[Jan-May 2024]

1. EXPERIMENT-1

Title: To understand DDL and DML commands

Objective: To understand the concept of designing issue related to the database with creating, populating the tables. Also familiarize students with different ways of manipulation in database.

1. **Create the tables described below:**

Table name: CLIENT_MASTER

Description: used to store client information.

Column name	data type	Size
CLIENTNO	Varchar	6
NAME	Varchar	20
ADDRESS 1	Varchar	30
ADDRESS 2	Varchar	30
CITY	Varchar	15
PINCODE	Integer	
STATE	Varchar	15
BALDUE	Decimal	10,2

Table Name: PRODUCT_MASTER

Description: used to store product information

Column name	data type	Size

PRODUCTNO	Varchar	6
DESCRIPTION	Varchar	15
PROFITPERCENT	Decimal	4,2
UNIT MEASURE	Varchar	10
QTYONHAND	Integer	
REORDERL VL	Integer	
SELLPRICE	Decimal	8,2
COSTPRICE	Decimal	8,2

Table Name: SALESMAN_MASTER

Description: Used to store salesman information working for the company.

Column name	**data type**	**Size**
SALESMANNO	Varchar	6
SALESMANNAME	Varchar	20
ADDRESS 1	Varchar	30
ADDRESS 2	Varchar	30
CITY	Varchar	20
PINCODE	Integer	
STATE	Varchar	20
SALAMT	Real	
TGTTOGET	Decimal	
YTDSALES	Double	6,2
REMARKS	Varchar	60

2. **Insert the following data into their respective tables:**

a) Data for **CLIENT_MASTER** table:

Client no	Name	City	Pincode	State	BalDue
C00001	Ivan bayross	Mumbai	400054	Maharashtra	15000
C00002	Mamta muzumdar	Madras	780001	Tamil nadu	0
C00003	Chhaya banker	Mumbai	400057	Maharashtra	5000
C00004	Ashwini joshi	Bangalore	560001	Karnataka	0
C00005	Hansel colaco	Mumbai	400060	Maharashtra	2000
C00006	Deepak sharma	Mangalore	560050	Karnataka	0

b) Data for **PRODUCT_MASTER** table:

Product No	Description	Profit percent	Unit measure	Quantity On hand	Recorder Level	Sell Price	Cost Price
P00001	T-Shirt	5	Piece	200	50	350	250
P0345	Shirts	6	Piece	150	50	500	350
P06734	Cotton jeans	5	Piece	100	20	600	450
P07865	Jeans	5	Piece	100	20	750	500
P07868	Trousers	2	Piece	150	50	850	550
P07885	Pull Overs	2.5	Piece	80	30	700	450
P07965	Denim jeans	4	Piece	100	40	350	250
P07975	Lycra tops	5	Piece	70	30	300	175

P08865	Skirts	5	Piece	75	30	450	300

c) Data for **SALESMAN_MASTER** table:

Salesman No	Name	Address1	Address2	City	Pin Code	State
S00001	Aman	A/14	Worli	Mumbai	400002	Maharashtra
S00002	Omkar	65	Nariman	Mumbai	400001	Maharashtra
S00003	Raj	P-7	Bandra	Mumbai	400032	Maharashtra
S00004	Ashish	A/5	Juhu	Mumbai	400044	Maharashtr(a

3. **Exercise on retrieving records from a table.**
   a. Find out the names of all the clients.
   b. Retrieve the entire contents of the Client_Master table.
   c. Retrieve the list of names, city and the state of all the clients.
   d. List the various products available from the Product_Master table.
   e. List all the clients who are located in Mumbai.
   f. Find the names of salesman who have a salary equal to Rs.3000.
4. **Exercise on updating records in a table**
   a. Change the city of ClientNo ‘C00005’ to ‘Bangalore’.
   b. Change the BalDue of ClientNo ‘C00001’ to Rs.1000.
   c. Change the cost price of ‘Trousers’ to rs.950.00.
   d. Change the city of the salesman to Pune.
5. **Exercise on deleting records in a table**
   a. Delete all salesman from the Salesman_Master whose salaries are equal to Rs.3500.
   b. Delete all products from Product_Master where the quantity on hand is equal to 100.
   c. Delete from Client_Master where the column state holds the value ‘Tamil Nadu’.
6. **Exercise on altering the table structure**
   a. Add a column called ‘Telephone’ of data type integer to the Client_Master table.
   b. Change the size off SellPrice column in Product _Master to 10, 2.

7. **Exercise on deleting the table structure along with the data**
    a. Destroy the table Client_Master along with its data.
8. **Exercise on renaming the table**
    a. Change the name of the Salesman_Master to sman_mast.