Experiment 3

TITLE: DDL (Data Definition Language) commands with Data Constraints

Objective: To understand the concept of data constraints that is enforced on data being stored in the table. Focus on Primary Key and the Foreign Key

Create the tables described below:

Table name: CLIENT_MASTER_1

Description: Used to store client information.

Column name	Data type	Size	Constraints
CLIENTNO	Varchar	6	Primary key / first letter must start with 'C'
NAME	Varchar	20	Not Null
ADDRESS 1	Varchar	30	
ADDRESS 2	Varchar	30	
CITY	Varchar	15	
PINCODE	Integer	8	
STATE	Varchar	15	
BALDUE	Decimal	10,2	

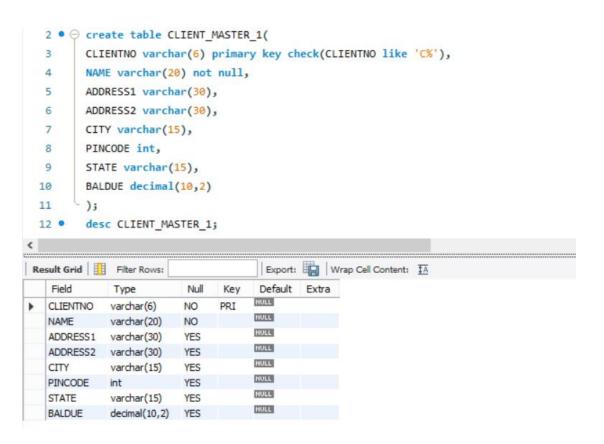


Table Name: PRODUCT_MASTER_1

Description: Used to store product information

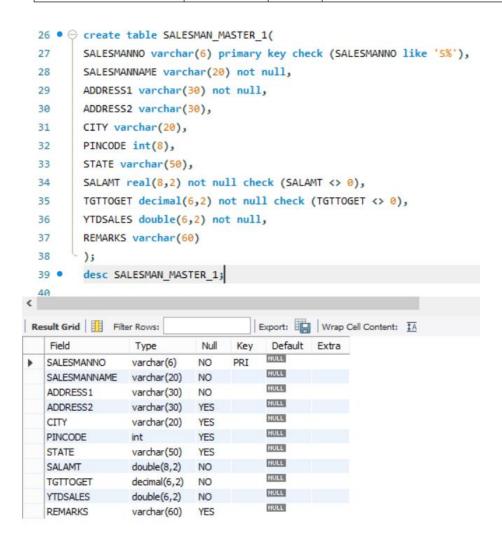
Column name	Data type	Size	Attributes
PRODUCTNO	Varchar	6	Primary Key/ first letter must start with 'P'
DESCRIPTION	Varchar	15	Not Null
PROFITPERCENT	Decimal	4,2	Not Null
UNIT MEASURE	Varchar	10	Not Null
QTYONHAND	Integer	8	Not Null
REORDERL VL	Integer	8	Not Null
SELLPRICE	Decimal	8,2	Not Null
COSTPRICE	Decimal	8,2	Not Null

```
14 • ⊖ create table PRODUCT_MASTER_1(
         PRODUCTNO varchar(6) primary key check (PRODUCTNO like 'P%'),
 15
         DESCRIPTION varchar(15) not null,
 16
         PROFITPERCENT decimal(4,2) not null,
 17
         UNITMEASURE varchar(10) not null,
 18
         QTYONHAND int not null,
 19
         REORDERL int not null,
 20
         SELLPRICE decimal(8,2) not null,
 21
         COSTPRICE decimal(8,2) not null
 22
 23
         );
 24 •
         desc PRODUCT_MASTER_1;
                                        Export: Wrap Cell Content: IA
Result Grid Filter Rows:
   Field
                  Type
                              Null
                                     Key
                                           Default
                                                   Extra
                                          NULL
                  varchar(6)
                                    PRI
  PRODUCTNO
                              NO
                                          NULL
  DESCRIPTION
                  varchar(15)
                              NO
                                          HULL
  PROFITPERCENT
                  decimal(4,2)
                              NO
                                          HULL
  UNITMEASURE
                  varchar(10)
                              NO
                                          HULL
  QTYONHAND
                  int
                              NO
                                          NULL
                  int
  REORDERL
                              NO
                                          NULL
                  decimal(8,2)
  SELLPRICE
                              NO
                                          NULL
  COSTPRICE
                  decimal(8,2)
                              NO
```

Table Name: SALESMAN_MASTER _1

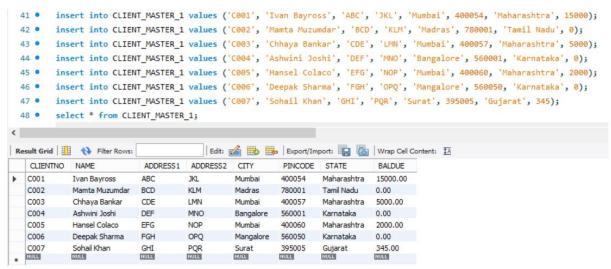
Description: used to store salesman information working for the company.

Column name	data type	Size	Attributes
SALESMANNO	Varchar	6	Primary Key/ first letter must start with 'S'
SALESMANNAME	Varchar	20	Not Null
ADDRESS 1	Varchar	30	Not Null
ADDRESS 2	Varchar	30	
CITY	Varchar	20	
PINCODE	Integer	8	
STATE	Varchar	20	
SALAMT	Real	8,2	Not Null, Cannot be 0
TGTTOGET	Decimal	6,2	Not Null, Cannot be 0
YTDSALES	Double	6,2	Not Null
REMARKS	Varchar	60	



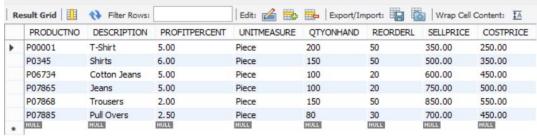
- 1. Reinsert the data in these two tables based upon Lab 2.
- 2. Display the contents of each table.

For CLIENT_MASTER_1:



For PRODUCT MASTER 1:





For SALESMAN MASTER 1:

