

VASAVI COLLEGE OF ENGINEERING

(AUTONOMOUS)
(Affiliated to Osmania University)
Hyderabad - 500 031.

DEPARTMENT OF : CSE

NAME OF THE LABORATORY : DBMS LAB

Name K.S.T.SIVANI Roll No. 052 Page No. 5.

LAB PROGRAMS-2:

2) Create tables with constraints:

i) Create table client_master.

```
create table CLIENT_MASTER(clientno varchar2(6) primary key  
address1 varchar2(30), address2 varchar2(30), city  
varchar2(15), pincode numeric(8,0), state varchar2(30),  
baldue numeric(10,2));
```

Table created.

desc CLIENT_MASTER

NAME	NULL?	TYPE
CLIENTNO		varchar2(6)
NAME		varchar2(20)
ADDRESS1		varchar2(30)
ADDRESS2		varchar2(30)
CITY		varchar2(15)
PINCODE		Number(8)
STATE		varchar2(15)
BALDUE		Number(10, 2)

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Name K.S.T.SIVANI Roll No. —052 Page No. 6

```
insert into CLIENT-MASTER('C0001', 'Jvan Bayross',  
'Mumbai', '400052',  
'Maharashtra', 15000);
```

1 row created.

```
insert into CLIENT-MASTER('C0002', 'Mamta', 'Madras',  
'780001', 'TamilNadu', 0);
```

1 row created.

```
insert into CLIENT-MASTER('C0003', 'Baskari', 'Mumbai',  
'400057', 'Maharashtra', 5000);
```

1 row created.

```
insert into CLIENT-MASTER('C0004', 'Ashwini', 'Bangalore',  
'500001', 'Karnataka', 0);
```

1 row created.

```
insert into CLIENT-MASTER('C0005', 'Hansel', 'Mumbai',  
'400060', 'Maharashtra', 2000);
```

1 row created.

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Name K.S.I.SIVANI Roll No. 052 Page No. 7

insert into CLIENT_MASTER ('C00006', 'Deepa', 'Mangalore',
'50 0050', 'Karnataka', '0);

1 row created.

- a) Find out names of all clients:
- b) Retrieve entire contents
- c) Retrieve list of names, city & state.
- d) List clients from Mumbai
- e) Change the city of client no 'C00005'. to 'Banglore'
- f) Change the Balance of Clientno 'C00001' to ₹1000.
- g) Delete from Client_Master where state='TamilNadu'.
- h) Add a column telephone of type number & size=10
- i) Select name from CLIENT_MASTER;

NAME

Jvan Bayross

Mamta

Baskar.

Ashwini

Hansel

Deepa

b) Select * from CLIENT_MASTER;

Client No	Name	City	Pincode	State	Baldue
C00001	Jovan Bayross	Mumbai	400054	Maharashtra	15000
C00002	Mamta	Madras	780001	Tamil Nadu	0
C00003	Baskar	Mumbai	400057	Maharashtra	5000
C00004	Ashwini	Bangalore	560001	Karnataka	0
C00005	Hansel	Mumbai	400060	Maharashtra	2000
C00006	Deepa	Mangalore	560050	Karnataka	0

c) Select name, city, state from CLIENT_MASTER;

Name	City	State
Jvan Bayross	Mumbai	Maharashtra
Mamta	Madras	Tamil Nadu
Baskar	Mumbai	Maharashtra
Ashwini	Bangalore	Karnataka

d) Select name from CLIENT_MASTER where city = 'Mumbai';

Name:

Jvan

Baskar

Hansel

- e) update CLIENT_MASTER set city='Bangalore' where client no='C00005';
- f) update CLIENT_MASTER Set Baldue=1000 where client no='C00001';
- g) delete CLIENT_MASTER;
- 2) Create table product-master .
- Create table PRODUCT_MASTER (Product no varchar2(6), description varchar2(15), profitpercent number(4,2), unitmeasure varchar2(10), Qtyonhand numeric(8), reorderlvl numeric(8,0), SP numeric(8,2), CP numeric(8,2));
- table created
- insert into PRODUCT_MASTER ('P00001', 'T-shirts', 5, 'Piece', 200, 50, 350, 250);
- 1 row created .
- insert into PRODUCT_MASTER ('P0345', 'Shirts', 6, 'Piece', 150, 50, 500, 350);
- 1 row created .

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Name K.S.I.SIVANI Roll No. -052 Page No. 10

insert into PRODUCT_MASTER ('P06334', 'Jeans', 5, 'piece',
100, 20, 600, 450);

1 row created

insert into PRODUCT_MASTER ('P07865', 'Pants', 5, 'piece',
100, 20, 750, 500);

1 row created

- a) List various products from PRODUCT_MASTER.
- b) Change CP of jeans to 500
- c) Delete products where quantity on hand = 100
- d) Change size of SP to 10, 2.

a) select Description from PRODUCT_MASTER;

Description:

T-shirts

Shirts

Jeans

Pants.

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Name K.S.I.SIVANI Roll No. -052 Page No. 11

- b) update PRODUCT_MASTER set CP=500 where
description='Jeans';
- c) delete * from PRODUCT_MASTER where Quantity on
hand=100;
2 rows deleted.
- d) alter table PRODUCT_MASTER modify (SP numeric(10,2));
- 3) create table Salesman_Master;
- create table Salesman_Master (Salesmanno varchar2(6)
primary key, Salesman_name varchar2(20) not null,
address varchar2(30) not null, city
varchar2(20), pincode numeric(8), state
varchar2(20), Salamt numeric (6,2) not null,
remarks varchar2(60), check (Salesmanno like
'S%'), check (Salamt >0);
table created.

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Name K.S.T.SIVANI

Roll No. 7052

Page No. 12

desc Salesman_Master;

	<u>Null ?</u>	<u>Type</u>
<u>Salemanno</u>	Not Null	<u>varchar(6)</u>
<u>Salesmannname</u>	Not Null	<u>varchar(20)</u>
<u>Address</u>	Not Null	<u>varchar(30)</u>
<u>City</u>		<u>varchar(20)</u>
<u>pin code</u>		<u>number(8)</u>
<u>state</u>		<u>varchar(20)</u>
<u>Salamt</u>	Not Null	<u>number(8,2)</u>
<u>remarks</u>		<u>varchar(60)</u>

4) create table Sales_Order:

create table Sales_Order(orderno varchar(6) primary key,
 clientno varchar(6), orderdate date not null,
 SalesmanNO varchar(6), deltype char(1), billin char(1),
 delydate date, orderstatus varchar(10),
 foreign key(client no) references CLIENT_MASTER(clientno),

foreign key (SalesmanNo) references salesman_master
(SalesmanNo), check (delaytype = 'P' or 'F'),
check (delaydate > orderdate));

table created.

insert into Sales_Order ('019001', 'C00001', 12-June-04,
'S0001', 'F', 'N', 20-July-04,
'In process');

constraint violated

insert into Sales_Order ('019002', 'C00002', 25-June-04,
'S0002', 'P', 'N', 27-June-02,
'Cancelled');

1 row created.

insert into Sales_Order ('046865', 'C00003', 18-Feb-04,
'S0003', 'F', 'Y', 20-Feb-02,
'Fulfilled');

1 row created.

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Name K. S. I. SIVANI Roll No. - 052 Page No. 14

Insert into Sales_Order ('046866', 'C00004', 20-May-04,
'S00002', 'P', 'N', 22-May-06, 'Cancelled');

1 row created.

Select * from Sales_Order;

OrderNo	ClientNo	OrderDate	SalesmanNo	DelayType
019002	C00002	25-June-04	S00002	P
046865	C00003	18-Feb-04	S00003	F
046866	C00004	20-May-04	S00004	P

b9yn	DelayDate	OrderStatus		
N	27-June-06	Cancelled		
Y	20-Feb-06	Fulfilled		
N	22-May-06	Cancelled		