Practical-1

- **Aim:To Study DDL-Create and DML-Insert Commands.Data:**

Create the following tables and insert the data as following:-

DEPOSIT

ACTNO	CNAME	BNAME	AMOUNT	ADATE
100	ANIL	VRCE	1000.00	1-MAR-95
101	SUNIL	AJNI	5000.00	4-JAN-96
102	MEHUL	KAROLBAGH	3500.00	17-NOV-95
104	MADHURI	CHANDI	1200.00	17-DEC-95
105	PRAMOD	M.G.ROAD	3000.00	27-MAR-96
106	SANDIP	ANDHERI	2000.00	31-MAR-96
107	SHIVANI	VIRAR	1000.00	5-SEP-95
108	KRANTI	NEHRUPLACE	5000.00	2-JUL-95
109	MINU	POWAI	7000.00	10-AUG-95

BRANCH

VRACE	NAGPUR
AJNI	NAGPUR
KAROLBAGH	DELHI
CHANDI	DELHI
DHARAMPETH	NAGPUR
M.G.ROAD	BANGLORE
ANDHERI	BOMBAY
VIRAR	BOMBAY
NEHRUPLACE	DELHI
POWAI	BOMBAY

CUSTOMERS

ANIL	CALCUTTA
SUNIL	DELHI
MEHUL	BARODA
MANDAR	PATNA
MADHURI	NAGPUR
PRMOD	NAGPUR
SANDIP	SURAT
SHIVANI	BOMBAY
KRANTI	BOMBAY
MINU	BOMBAY

BORROW

LOANNO	CNAME	BNAME	AMOUNT
201	ANIL	VRCE	1000.00
206	MEHUL	AJNI	5000.00
311	SUNIL	DHARAMPETH	3000.00
321	MADHURI	ANDHERI	2000.00
375	PRMOD	VIRAR	8000.00
481	KRANTI	NEHRUPLACE	3000.00

Practical_1.sql:

create table deposit (actno varchar2(5) ,cname varchar2(18) , bname varchar2(18) , amount number(8,2) ,adate date);

create table branch(bname varchar2(18),city varchar2(18));

create table customers(cname varchar2(19) ,city varchar2(18));

create table borrow(loanno number(5), cname varchar2(18), bname varchar2(18), amount number(8,2));

insert into borrow values(201, 'anil', 'vrce', 1000);

insert into borrow values(206, 'mehul', 'ajni', 5000);

insert into borrow values(311, 'sunil', 'dharampeth', 3000);

insert into borrow values(321, 'madhuri', 'andheri', 2000);

insert into borrow values(375, 'pramod', 'virar', 8000);

insert into borrow values(481, 'kranti', 'nehru place', 3000);

insert into deposit values('100', 'anil', 'vrce', 1000.00, '1-mar-1995');

insert into deposit values('101', 'sunil', 'ajni', 5000.00, '4-jan-1996');

insert into deposit values('102', 'mehul', 'karolbagh', 3500.00, '17-nov-1995');

insert into deposit values('104', 'madhuri', 'chandni', 1200.00, '17-dec-1995');

insert into deposit values('105', 'pramod', 'm.g.road', 3000.00, '27-mar-1996');

insert into deposit values('106', 'sandip', 'andheri', 2000.00, '31-mar-1996');

insert into deposit values('107', 'shivani', 'virar', 1000.00, '5-sep-1995');

insert into deposit values('108', 'kranti', 'nehru place', 5000.00, '2-jul-1995');

insert into deposit values('109', 'minu', 'powai', 7000.00, '10-aug-1995');

insert into branch values('vrce', 'nagpur');

insert into branch values('ajni', 'nagpur');

insert into branch values('karolbagh', 'delhi');

insert into branch values('chandni', 'delhi');

insert into branch values('dharampeth', 'nagpur');

insert into branch values('m.g.road', 'bangalore');

insert into branch values('andheri', 'bombay');

insert into branch values('virar', 'bombay');

insert into branch values('nehru place', 'delhi');

insert into branch values('powai', 'bombay');

insert into customers values('anil', 'calcutta');

insert into customers values('sunil', 'delhi');

insert into customers values('mehul', 'baroda');

insert into customers values('mandar', 'patna');

insert into customers values('madhuri', 'nagpur');

insert into customers values('pramod', 'nagpur');

insert into customers values('sandip', 'surat');

insert into customers values('shivani', 'bombay');

insert into customers values('kranti', 'bombay');

insert into customers values('naren', 'bombay');

OUTPUT:

```
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SQL> connect system
Enter password:
Connected.
SQL> @ D:/DBMS/PRACTICAL1.sql;

Table created.


Table created.


Table created.


Table created.


1 row created.


1 row created.


1 row created.
```

From the given queries we can find below solution:

1. Describe deposit,branch.

```
Run SQL Command Line
SQL> describe deposit;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ACTNO                                               VARCHAR2(5)
 CNAME                                               VARCHAR2(18)
 BNAME                                               VARCHAR2(18)
 AMOUNT                                              NUMBER(8,2)
 ADATE                                               DATE


SQL> describe branch;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 BNAME                                               VARCHAR2(18)
 CITY                                                VARCHAR2(18)


SQL>
```

2. Describe borrow,customers.

Run SQL Command Line

```
SQL> describe borrow;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 LOANNO                                              NUMBER(5)
 CNAME                                               VARCHAR2(18)
 BNAME                                               VARCHAR2(18)
 AMOUNT                                              NUMBER(8,2)
```

```
SQL> describe customers;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 CNAME                                               VARCHAR2(18)
 CITY                                                VARCHAR2(18)

SQL>
```

3. List all data from table DEPOSIT.

```
SQL> select * from deposit;

ACTNO CNAME              BNAME                  AMOUNT ADATE
----- ------------------ ------------------ ---------- ---------
100   anil               vrce                     1000 01-MAR-95
101   sunil              ajni                     5000 04-JAN-96
102   mehul              karolbagh                3500 17-NOV-95
104   madhuri            chandni                  1200 17-DEC-95
105   pramod             m.g.road                 3000 27-MAR-96
106   sandip             andheri                  2000 31-MAR-96
107   shivani            virar                    1000 05-SEP-95
108   kranti             nehru place              5000 02-JUL-95
109   minu               powai                    7000 10-AUG-95

9 rows selected.
```

4. List all data from table BORROW.

```
9 rows selected.

SQL> select * from borrow;

   LOANNO CNAME              BNAME                  AMOUNT
--------- ------------------ ------------------ ---------
      201 anil               vrce                    1000
      206 mehul              ajni                    5000
      311 sunil              dharampeth              3000
      321 madhuri            andheri                 2000
      375 pramod             virar                   8000
      481 kranti             nehru place             3000

6 rows selected.

SQL>
```

5. List all data from table CUSTOMERS.

```
SQL> select * from customers;

CNAME                CITY
------------------ -----------------
anil                 calcutta
sunil                delhi
mehul                baroda
mandar               patna
madhuri              nagpur
pramod               nagpur
sandip               surat
shivani              bombay
kranti               bombay
naren                bombay

10 rows selected.
```

6. List all data from BRANCH.

```
SQL> select * from branch;

BNAME                CITY
------------------ -----------------
vrce                 nagpur
ajni                 nagpur
karolbagh            delhi
chandni              delhi
dharampeth           nagpur
m.g.road             bangalore
andheri              bombay
virar                bombay
nehru place          delhi
powai                bombay

10 rows selected.
```

7. Give account no and amount of depositors.

```
SQL> select actno,amount from deposit;

ACTNO    AMOUNT
-----  ----------
100        1000
101        5000
102        3500
104        1200
105        3000
106        2000
107        1000
108        5000
109        7000

9 rows selected.
```

8. Give name of depositors having amount greater than 4000.

```
9 rows selected.

SQL> select cname from deposit where amount>4000;

CNAME
-------------------
sunil
kranti
minu
```

9. Give name of customers who opened account after date '1-12-96'.

```
SQL> select cname from deposit where adate>'1-dec-96';

no rows selected

SQL>
```