



SWE1004 Lab Sheet 2

(L 9 + L10)

DML commands

Name: Dishant Naik

Reg no.: 21MIA1127

Questions: Study DDL and DML commands.

Create tables according to the following definition.

```
CREATE TABLE DEPOSIT_21MIA1127 (ACTNO VARCHAR2(5), CNAME VARCHAR2(18), BNAME  
VARCHAR2(18), AMOUNT NUMBER(8,2), ADATE DATE);
```

```
CREATE TABLE BRANCH_21MIA1127 (BNAME VARCHAR2 (18), CITY
```

```
VARCHAR2 (18)); CREATE TABLE CUSTOMERS_21MIA1127 (CNAME
```

```
VARCHAR2 (19), CITY VARCHAR2 (18));
```

```
CREATE TABLE BORROW_21MIA1127 (LOANNO VARCHAR2 (5), CNAME VARCHAR2 (18), BNAME  
VARCHAR2 (18), AMOUNT NUMBER (8, 2));
```

From the above given tables perform the following queries:

(1) Describe deposit, branch.

Answer :

```
SQL> desc deposit_21MIA1127;
Name                               Null?    Type
-----
ACTNO                              VARCHAR2(5)
CNAME                              VARCHAR2(18)
BNAME                              VARCHAR2(18)
AMOUNT                             NUMBER(8,2)
ADATE                              DATE

SQL> desc branch_21MIA1127;
Name                               Null?    Type
-----
BNAME                              VARCHAR2(18)
CITY                               VARCHAR2(18)
```

(2) List all data from table CUSTOMERS.

Answer:

```
SQL> select *
      2  from customers_21MIA1127;

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.
```

(3) List all data from table BRANCH.

Answer:

```
SQL> select *
      2  from branch_21MIA1127;

BNAME          CITY
-----
VRCE           NAGPUR
AJNI           NAGPUR
KAROLBAGH      DELHI
CHANDI         DELHI
DHARAMPETH     NAGPUR
M.G.ROAD       BANGLORE
ANDHERI        BOMBAY
VIHAR          BOMBAY
NEHRU PLACE    DELHI
POWAI          BOMBAY

10 rows selected.
```

(4) Display account no and amount of depositors.

Answer:

```
SQL> select actno, amount
      2  from deposit_21MIA1127;

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

9 rows selected.
```

(5) Display name of depositors having amount greater than 4000.

Answer:

```
SQL> select cname
  2  from deposit_21MIA1127
  3  where amount > 4000;

CNAME
-----
SUNIL
KRANTI
MINU
```

(6) Give name of customers who opened account after date '1-12-96'.

Answer:

```
SQL> select cname
  2  from deposit_21MIA1127
  3  WHERE ADATE > '1-DEC-96';

no rows selected
```

(7) Update customer 'SHIVANI' s city from 'BOMBAY' to 'CHENNAI'

Answer:

```
SQL> update customers_21MIA1127
  2  set CITY='CHENNAI'
  3  where CNAME='SHIVANI';

1 row updated.

SQL> select *
  2  from customers_21MIA1127;

CNAME          CITY
-----
ANIL            CALCUTTA
SUNIL           DELHI
MEHUL           BARODA
MANDAR         PATNA
MADHURI         NAGPUR
PRAMOD          NAGPUR
SANDIP          SURAT
SHIVANI         CHENNAI
KRANTI          BOMBAY
NAREN           BOMBAY

10 rows selected.
```

(8) Delete the Borrower details if the loan amount is less than 2500.

Answer:

```
SQL> delete
  2  from borrow_21MIA1127
  3  where amount < 2500;

2 rows deleted.
```

(9) Drop table BORROW

Answer:

```
SQL> drop table borrow_21MIA1127;

Table dropped.
```

Sample Data sets

Lab Exercise Solutions

Create tables according to the following definition.

```
CREATE TABLE DEPOSIT_21MIA1127 (ACTNO VARCHAR2(5) , CNAME  
VARCHAR2(18) , BNAME VARCHAR2(18), AMOUNT NUMBER(8,2), ADATE DATE);
```

```
CREATE TABLE BRANCH_21MIA1127 (BNAME VARCHAR2(18),CITY  
VARCHAR2(18));
```

```
CREATE TABLE CUSTOMERS_21MIA1127 (CNAME VARCHAR2(19) , CITY  
VARCHAR2(18));
```

```
CREATE TABLE BORROW_21MIA1127 (LOANNO VARCHAR2(5), CNAME  
VARCHAR2(18), BNAME VARCHAR2(18),AMOUNT NUMBER (8,2));
```

Insert the data as shown below.

```
INSERT INTO DEPOSIT_21MIA1127 VALUES('100','ANIL','VRCE',1000,'1-  
MAR-95');
```

```
INSERT INTO DEPOSIT_21MIA1127  
VALUES('101','SUNIL','AJNI',5000,'4-JAN-96');
```

```
INSERT INTO DEPOSIT_21MIA1127 VALUES('102','MEHUL','KAROLBAGH',3500,'17-  
NOV-95');
```

```
INSERT INTO DEPOSIT_21MIA1127 VALUES('104','MADHURI','CHANDI',1200,'17-  
DEC-95');
```

```
INSERT INTO DEPOSIT_21MIA1127 VALUES('105','PRMOD','M.G.ROAD',3000,'27-  
MAR-96');
```

```
INSERT INTO DEPOSIT_21MIA1127 VALUES('106','SANDIP','ANDHERI',2000,'31-  
MAR-96');
```

```
INSERT INTO DEPOSIT_21MIA1127 VALUES('107','SHIVANI','VIRAR',1000,'5-SEP-  
95');
```

```
INSERT INTO DEPOSIT_21MIA1127 VALUES('108','KRANTI','NEHRU  
PLACE',5000,'2-JUL-95');
```

```
INSERT INTO DEPOSIT_21MIA1127 VALUES('109','MINU','POWAI',7000,'10-AUG-  
95');
```

```
INSERT INTO BRANCH_21MIA1127  
VALUES('VRCE','NAGPUR');
```

```
INSERT INTO BRANCH_21MIA1127  
VALUES('AJNI','NAGPUR');
```

```
INSERT INTO BRANCH_21MIA1127  
VALUES('KAROLBAGH','DELHI');
```

```
INSERT INTO BRANCH_21MIA1127  
VALUES('CHANDI','DELHI');
```

```
INSERT INTO BRANCH_21MIA1127  
VALUES('DHARAMPETH','NAGPUR');
```

```
INSERT INTO BRANCH_21MIA1127  
VALUES('M.G.ROAD','BANGLORE');
```

```
INSERT INTO BRANCH_21MIA1127  
VALUES('ANDHERI','BOMBAY');
```

```
INSERT INTO BRANCH_21MIA1127  
VALUES('VIHAR','BOMBAY');
```

```
INSERT INTO BRANCH_21MIA1127 VALUES('NEHRU  
PLACE','DELHI');
```

```
INSERT INTO BRANCH 21MIA1127 VALUES('POWAI','BOMBAY');
```

```

INSERT INTO CUSTOMERS_21MIA1127 VALUES
('ANIL','CALCUTTA');

INSERT INTO CUSTOMERS_21MIA1127 VALUES
('SUNIL','DELHI');

INSERT INTO CUSTOMERS_21MIA1127 VALUES
('MEHUL','BARODA');

INSERT INTO CUSTOMERS_21MIA1127 VALUES
('MANDAR','PATNA');

INSERT INTO CUSTOMERS_21MIA1127 VALUES
('MADHURI','NAGPUR');

INSERT INTO CUSTOMERS_21MIA1127 VALUES
('PRAMOD','NAGPUR');

INSERT INTO CUSTOMERS_21MIA1127 VALUES
('SANDIP','SURAT');

INSERT INTO CUSTOMERS_21MIA1127 VALUES
('SHIVANI','BOMBAY');

INSERT INTO CUSTOMERS_21MIA1127 VALUES
('KRANTI','BOMBAY');

INSERT INTO CUSTOMERS_21MIA1127 VALUES
('NAREN','BOMBAY');

INSERT INTO BORROW_21MIA1127 VALUES
('201','ANIL','VRCE',1000);

INSERT INTO BORROW_21MIA1127 VALUES
('206','MEHUL','VRCE',5000);

INSERT INTO BORROW_21MIA1127 VALUES
('311','SUNIL','DHARAMPETH',3000);

INSERT INTO BORROW_21MIA1127 VALUES
('321','MADHURI','ANDHERI',2000);

INSERT INTO BORROW_21MIA1127 VALUES
('375','PRMOD','VIHAR',8000);

INSERT INTO BORROW_21MIA1127 VALUES ('481','KRANTI','NEHRU PLACE',3000);

```

Important guidelines to be followed

- **Every table created should have the last four digits of your registration number together with the table name(eg:emp_1021)**
- **Insert a minimum of 4 to 5 records for each table as per the requirements of the query.**
- **No query must return an answer “No rows found”**
- **Upload a *PDF* document with**
 - *the screenshots of tables created, Records of the tables,*
 - *SQL queries with answers*