```
ASSIGNMENT: 1 CREATE AND INSERT VALUES TO THE FOLLOWING TABLES
```

ASSIGNMENT 2: SELECTING DATA FROM SINGLE TABLE

CREATE TABLE CUSTOMER (CNAME VARCHAR(15) PRIMARY KEY, CITY VARCHAR(20) NOT NULL);

```
INSERT INTO CUSTOMER VALUES('ANIL', 'CALCUTTA');
INSERT INTO CUSTOMER VALUES('SUNIL', 'DELHI');
INSERT INTO CUSTOMER VALUES('MEHUL', 'BARODA');
INSERT INTO CUSTOMER VALUES('MANDAR', 'PATNA');
INSERT INTO CUSTOMER VALUES('MADHURI', 'NAGPUR');
INSERT INTO CUSTOMER VALUES('PRAMOD', 'NAGPUR');
INSERT INTO CUSTOMER VALUES('SANDIP', 'SURAT');
INSERT INTO CUSTOMER VALUES('SHIVANI', 'BOMBAY');
INSERT INTO CUSTOMER VALUES('KRANTI', 'BOMBAY');
INSERT INTO CUSTOMER VALUES('NAREN', 'BOMBAY');
```

CREATE TABLE BRANCH (BNAME VARCHAR(20) PRIMARY KEY,CITY VARCHAR(30) CHECK (CITY IN ('NAGPUR','DELHI','BANGALORE','BOMBAY')) NOT NULL);

```
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('MG ROAD','BANGALORE');
INSERT INTO BRANCH VALUES('ANDHERI', 'BOMBAY');
INSERT INTO BRANCH VALUES('NEHRU PALACE','DELHI');
INSERT INTO BRANCH VALUES('POWAI','BOMBAY');
```

CREATE TABLE BORROW (LOANNO VARCHAR(8) PRIMARY KEY CHECK (LOANNO LIKE 'L%'), CNAME VARCHAR(15) REFERENCES CUSTOMER(CNAME), BNAME VARCHAR(20) REFERENCES BRANCH(BNAME), AMOUNT FLOAT(8,2) NOT NULL CHECK (AMOUNT>0));

```
INSERT INTO BORROW VALUES('L201', 'ANIL', 'VRCE', 1000.00); INSERT INTO BORROW VALUES('L206', 'MEHUL', 'AJNI', 5000.00);
```

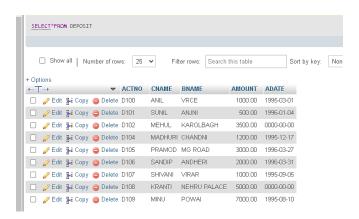
INSERT INTO BORROW VALUES('L311', 'SUNIL', 'DHARAMPETH', 3000.00);

INSERT INTO BORROW VALUES('L321', 'MADHURI', 'ANDHERI', 2000.00); INSERT INTO BORROW VALUES('L371', 'PRAMOD', 'VIRAR',8000.00); INSERT INTO BORROW VALUES('L481', 'KRANTI', 'NEHRU PALACE', 3000.00);

CREATE TABLE DEPOSIT (ACTNO VARCHAR(5) PRIMARY KEY CHECK (ACTNO LIKE 'D%'), CNAME VARCHAR(15) REFERENCES CUSTOMER(CNAME), BNAME VARCHAR(20) REFERENCES BRANCH(BNAME), AMOUNT FLOAT(8,2) NOT NULL CHECK (AMOUNT>0), ADATE DATE);

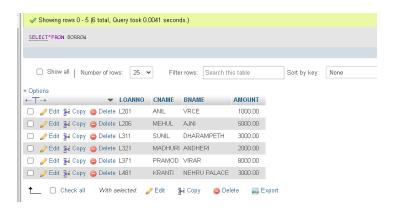
```
INSERT INTO DEPOSIT VALUES('D100','ANIL','VRCE', 1000.00,'1995-03-1');
INSERT INTO DEPOSIT VALUES('D101','SUNIL','ANJNI',500.00,'1996-01-4');
INSERT INTO DEPOSIT VALUES('D102','MEHUL','KAROLBAGH',3500.00,'`1995-11-17');
INSERT INTO DEPOSIT VALUES('D104','MADHURI','CHANDNI',1200.00,'1995-12-17');
INSERT INTO DEPOSIT VALUES('D105','PRAMOD','MG ROAD',3000.00,'1996-03-27');
INSERT INTO DEPOSIT VALUES('D106','SANDIP','ANDHERI',2000.00,'1996-03-31');
INSERT INTO DEPOSIT VALUES('D107','SHIVANI','VIRAR',1000.00,'1995-09-05');
INSERT INTO DEPOSIT VALUES('D108','KRANTI', 'NEHRU PALACE',5000.00,'1995-07-02');
INSERT INTO DEPOSIT VALUES('D109','MINU', 'POWAI',7000.00,'1995-08-10');
```

\*1. List all data from table deposite\*
SELECT\*FROM DEPOSIT;

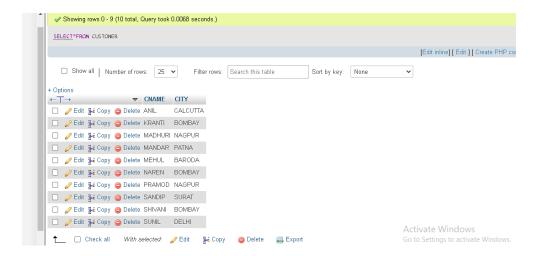


\*2.List all data from borrow\*
SELECT\*FROM BORROW;

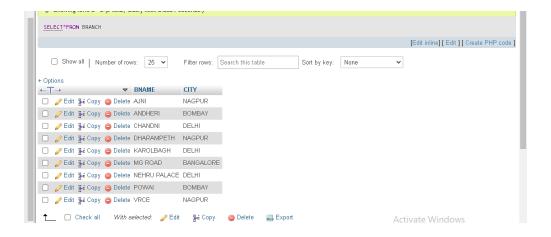
<sup>\*</sup>ASSIGNMENT NO. 2: SELECTING DATA FROM SINGLE TABLE\*



\*3.List all data from customer\* SELECT\*FROM CUSTOMER;



\*4.List all data from branch\* SELECT\*FROM BRANCH;



\*5. Give account no and amount of deposite\*
SELECT ACTNO, AMOUNT FROM DEPOSIT;



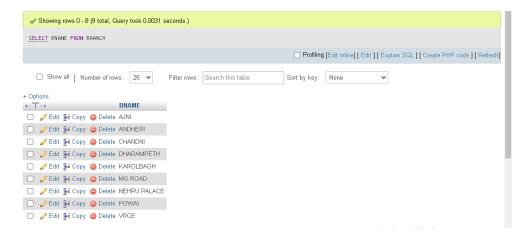
\*6.Give customer name and account no of depositors\* SELECT CNAME, ACTNO FROM DEPOSIT;



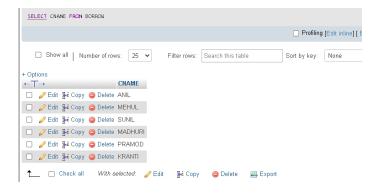
\*7.Give name of customers\*
SELECT CNAME FROM CUSTOMER;



\*8.Give name of branches\*
SELECT BNAME FROM BRANCH;



\*9.Give name of borrows\*
SELECT CNAME FROM BORROW;



\*10. Give names of customer living in city Nagpur\* SELECT CNAME FROM CUSTOMER WHERE CITY='NAGPUR';



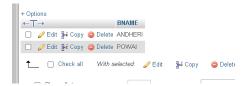
\*11. Give names of depositors having amount greater than 4000\* select CNAME from DEPOSIT where AMOUNT>4000;



\* 12. Give account date of Anil\*
SELECT ADATE FROM DEPOSIT where CNAME='ANIL';



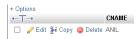
\* 13. Give name of all branches located in Bombay\* select BNAME from BRANCH where CITY='Bombay';



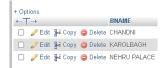
\* 14. Give name of borrower having loan number I205\* select CNAME from BORROW where LOANNO='L205'



\*15. Give names of depositors having account at VRCE\* select CNAME from DEPOSIT WHERE BNAME='VRCE'



\*16. Give names of all branched located in city Delhi\* select BNAME from BRANCH WHERE CITY='Delhi'

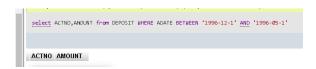


\*17. Give name of the customers who opened account date '1-12-96'\* select CNAME from DEPOSIT WHERE ADATE='1996-12-1'



\*18. Give account no and deposit amount of customers having account opened between dates '1-12-96' and '1-5-96'\*

select ACTNO, AMOUNT from DEPOSIT WHERE ADATE BETWEEN '1996-12-1' AND '1996-05-1'



\*19. Give name of the city where branch KAROLBAGH is located\* select CITY from BRANCH where BNAME='KAROLBAGH'



\*20. Give details of customer ANIL\* select \* from customer join borrow on customer.cname=borrow.cname join deposit on deposit.cname=borrow.cname where customer.cname='ANIL';



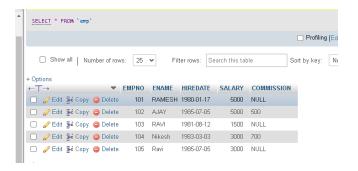
## **EXPERIMENT NO. 3: DDL COMMANDS and CONSTRAINTS**

1.Create a table emp with attributes empno number(4)as primary key, ename char(10), hiredate, salary, commission

CREATE TABLE emp(EMPNO INT(4) PRIMARY KEY, ENAME CHAR(10), HIREDATE DATE, SALARY INT(5), COMMISSION INT(5));

INSERT INTO emp(EMPNO,ENAME,HIREDATE,SALARY,COMMISION) VALUES(101,'RAMESH','1980-01-17',5000,NULL),(102,'AJAY','1985-07-05',5000,500),(103,'RAVI','1981-08-

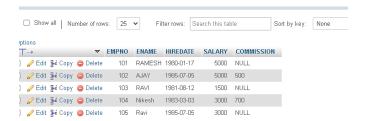
12',1500,NULL),(104,'Nikesh','1983-03-03',3000,700),(105,'Ravi','1985-07-05',3000,NULL);



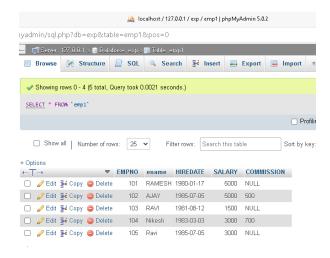
- \*2.Modifying the structure of tables \* 1. add new columns: sal number(7.2)
- ALTER TABLE emp ADD sal int;



2. dropping a column from a table:sal ALTER TABLE emp DROP COLUMN sal;



- 3. modifying existing column:ename varchar2(15) ALTER TABLE emp MODIFY ename VARCHAR(15);
- 4. renaming the tables: emp to emp1; RENAME table emp to emp1;



5. truncating the tables:emp1 TRUNCATE TABLE emp1;



6 destroying tables:emp DROP TABLE emp1;



\*3.Create a table stud with sname varchar(20) primary key , rollno number(10) not null,dob date not null \*

CREATE TABLE stud(sname varchar(20) PRIMARY KEY, rollno int NOT NULL, dob date NOT NULL); SELECT \* FROM stud;

