EXPERIMENT NO. 1

AIM
To study various DDL commands - CREATE

QUESTIONS
Create the following Tables

Table 1: DEPOSIT
ACTNO VARCHAR2(5) PRIMARY KEY, FIRST LETTER MUST START WITH 'D'
CNAME VARCHAR2(15) FOREIGN KEY REFERENCES CUSTOMER
BNAME VARCHAR2(20) FOREIGN KEY REFERENCES BRANCH AMOUNT NUMBER
(8,2) NOT NULL, CANNOT BE 0
ADATE DATE

Table 2: BRANCH
BNAME VARCHAR2(20) PRIMARY KEY
CITY VARCHAR2(30) NOT NULL , any one of NAGPUR, DELHI, BANGALORE,
BOMBAY

Table 3: CUSTOMER
CNAME VARCHAR2(15) PRIMARY KEY CITY VARCHAR2(20) NOT NULL ,

Table 4: BORROW
LOANNO VARCHAR2(8) PRIMARY KEY / FIRST LETTER MUST START WITH 'L'
CNAME VARCHAR2(15) FOREIGN KEY REFERENCES CUSTOMER
BNAME VARCHAR2(20) FOREIGN KEY REFERENCES BRANCH AMOUNT
NUMBER(8,2) NOT NULL, CANNOT BE 0

INSERTION OF VALUES
1.Inserting values to Branch

VRCE	NAGPUR
AJNI	NAGPUR
KAROLBAGH	DELHI
CHANDNI	DELHI
DHARAMPETH	NAGPUR
MG ROAD	BANGALORE
ANDHERI	BOMBAY
NEHRU PALACE	DELHI
POWAI	BOMBAY

2.Inserting values into Customer table

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

3. Inserting values into Deposite table

Actno	Cname	Bname	Amount	Adate
D100	ANIL	VRCE	1000.00	1-MAR-95
D101	SUNIL	ANJNI	500.00	4-JAN-96
D102	MEHUL	KAROLBAGH	3500.00	17-NOV-95
D104	MADHURI	CHANDNI	1200.00	17-DEC-95
D105	PRAMOD	MG ROAD	3000.00	27-MAR-96
D106	SANDIP	ANDHERI	2000.00	31-MAR-96
D107	SHIVANI	VIRAR	1000.00	5-SEP-95
D108	KRANTI	NEHRU PLACE	5000.00	2-JUL-95
D109	MINU	POWAI	7000.00	10-AUG-95

4. Inserting values into borrow table

L201	ANIL	VRCE	1000.00
L206	MEHUL	AJNI	5000.00
L311	SUNIL	DHARAMPETH	3000.00
L321	MADHURI	ANDHERI	2000.00
L371	PRAMOD	VIRAR	8000.00
L481	KRANTI	NEHRU PLACE	3000.00

EXPERIMENT NO. 2

AIM
To familiarize with selecting data from single table

QUESTIONS
1. List all data from table deposite

2. List all data from borrow

3.List all data from customer

4.List all data from branch

5.Give account no and amount of deposite

6.Give customer name and account no of depositors

7.Give name of customers

8.Give name of branches

9.Give name of borrows

10.Give names of customer living in city Nagpur

11.Give names of depositors having amount greater than 4000

12.Give account date of Anil

13.Give name of all branches located in Bombay

14.Give name of borrower having loan number l205

15.Give names of depositors having account at VRCE

16.Give names of all branched located in city Delhi

17.Give name of the customers who opened account date '1-12-96'

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

19.Give name of the city where branch KAROLBAGH is located

20.Give details of customer ANIL

EXPERIMENT NO. 3

AIM
To familiarize DDL Commands- ALTER,DROP,TRUNCATE,RENAME

QUESTIONS

1. Create a table emp with attributes empno number(4)as primary key, ename char(10),hiredate, salary,commission and insert the following 5 rows of data

101	Ramesh	17-Jan-1980	5000	
102	Ajay	05-Jul-1985	5000	500
103	Ravi	12-Aug-1981	1500	
104	Nikesh	03-Mar-1983	3000	700
105	Ravi	05-jul-1985	3000	

2. Add check constraint (Salary >=5000)

3. Add Check Constraint (length(empno<=3))

4. Modifying the structure of tables
      a.Add new columns: sal number(7,2)

      b.Dropping a column from a table: sal

      c.Modifying existing column :ename varchar2(15)

      d.Renaming the tables: emp to emp1

      e.truncating the tables:emp1

      f.Destroying tables:emp

EXPERIMENT NO.: 4

AIM

To familiarize with set operations

QUESTIONS

1. List all the customers who are depositors but not borrowers.

2. List all the customers who are both depositors and borrowers

3. List all the depositors having deposit in all the branches where Sunil is having Account

4. List all the customers living in city NAGPUR and having branch city BOMBAY or DELHI

5. List all the depositors living in city NAGPUR

6. List all the depositors living in the city NAGPUR and having branch in city BOMBAY

7. List the branch cities of Anil and Sunil

8. List the customers having deposit greater than 1000 and loan less than 10000.

9. List the cities of depositors having branch VRCE.

10. List the depositors having amount less than 1000 and living in the same city as Anil

11. List all the cities where branches of Anil and Sunil are locate

12. List the amount for the depositors living in the city where Anil is living

EXPERIMENT NO. 5

AIM
To familiarize with aggregate functions

QUESTIONS

1. List total loan

2. List total deposit

3. List total loan taken from KAROLBAGH branch

4. List total deposit of customers having account date later than 1-Jan-96

5. List total deposit of customers living in city NAGPUR

6. List maximum deposit of customer living in Bombay

7. List total deposit of customer having branch in BOMBAY

8. Count total number of branch cities

9. Count total number of customers cities

10. Give branch names and branch wise deposit

11. Give city wise name and branch wise deposit

12. Give the branch wise loan of customer living in NAGPUR

13. Count total number of customers

14. Count total number of depositors branch wise

15. Give maximum loan from branch VRCE

16. Give the number of customers who are depositors as well as borrowers

EXPERIMENT NO. 6

AIM
To familiarize with join or cartesian product

QUESTIONS
1.Give name of customers having living city BOMBAY and branch city NAGPUR

2.Give names of customers having the same living city as their branch city

3.Give names of customers who are borrowers as well as depositors and having city NAGPUR.

4.Give names of borrowers having deposit amount greater than 1000 and loan amount greater than 2000.

5.Give names of depositors having the same branch as the branch of Sunil

6.Give names of borrowers having loan amount greater than the loan amount of Pramod

7.Give the name of the customer living in the city where branch of depositor Sunil is located.

8.Give branch city and living city of Pramod

9.Give branch city of Sunil and branch city of Anil

10.Give the living city of Anil and the living city of Sunil

EXPERIMENT NO. 7

AIM

To familiarize with Group by and Having clause

QUESTIONS

1. List the branches having sum of deposit more than 5000.

2. List the branches having sum of deposit more than 500 and located in city BOMBAY

3. List the names of customers having deposited in the branches where the average deposit is more than 5000.

4. List the names of customers having maximum deposit

5. List the name of branch having highest number of depositors?

6. Count the number of depositors living in NAGPUR.

7. Give names of customers in VRCE branch having more deposite than any other customer in same branch

8. Give the names of branch where number of depositors is more than 5

9. Give the names of cities in which the maximum number of branches are located

10. Count the number of customers living in the city where branch is located

EXPERIMENT NO. 8

AIM

To have familiarize with trigger functions

QUESTION 1
Create a Trigger for employe table it will update another table salary while updating values

OBJECTIVE
To develop and execute a Trigger for After update/Delete/Insert operations on a table

QUESTION 2
Create a Trigger for employe table it will update another table personal_updations while updating values

OBJECTIVE
To develop and execute a Trigger for Before and After update/Delete/Insert operations on a table

QUESTION 3
Create a Trigger for employe table it will update another table promotions while updating values

OBJECTIVE
To develop and execute a Trigger for Before and After update/Delete/Insert operations on a table.