## **Practical-7** To apply the concept of Aggregating Data using Group functions. Write a query to display the last name and hire date of any employee in the same department as Q-1 smith. Exclude smith. Α SQL> select l\_name, hiredate from employee 2 where 1 name <> (select 1 name from employee where emp name = 'Smith') 3 and dept name = (select dept name from employee where emp name = 'Smith'); NAME HIREDATE Vales 30-NOV-95 Q-2 Give name of customers who are depositors having same branch city of mr. sunil. SQL> select c.cname from customer1 c, deposit d, branch b where c.cname = d.cname and 2 c.city = (select branch.city from branch where branch.bname = 3 (select deposit.bname from deposit where deposit.cname = 'Sunil')); no rows selected Give deposit details and loan details of customer in same city where pramod is living. Q-3 Α SQL> select d.A\_no,d.cname,d.bname,d.amount,d.a\_date,b.loanno,b.bname,b.amount from deposit d,borrow b,customer1 c 2 where c.cname = d.cname and c.city = (select customer1.city from customer1 where customer1.cname='Pramod'); no rows selected 0-4 Create a query to display the employee numbers and last names of all employees who earn more than the average salary. Sort the results in ascending order of salary. Α SQL> select emp no,1 name from employee where emp sal>(select avg(emp sal) from employee) order by emp sal; EMP NO L NAME 106 Joseph 107 Jha 104 Sharma 105 Patel Q-5 Give names of depositors having same living city as mr. anil and having deposit amount greater than 2000. SQL> select d.cname from deposit d, customer1 c where d.cname = c.cname Α 2 and c.city = (select customer1.city from customer1 where customer1.cname = 'Anil') and d.amount>2000; CNAME Anil

Q-6	Display the last name and salary of every employee who reports to ford.							
A	<pre>SQL&gt; select last_name, salary from employees    2 where manager_id in(select manager_id from employees where last_name = 'Ford'); no rows selected</pre>							
Q-7	Display the department number, name, and job for every employee in the accounting department.							
A	<pre>SQL&gt; select e.department_id,e.first_name,j.job_title from employees e, departments d, jobs j</pre>							
	DEPARTMENT_ID FIRST_NAME JOB_TITLE							
	110 Shelley Accounting Manager 110 William Public Accountant							
Q-8	List the name of branch having highest number of depositors.							
A	SQL> select bname from deposit group by bname having 2 count (bname)>=ALL (select count(d.bname) from deposit d group by d.bname);  BNAME							
Q-9	Give the name of cities where in which the maximum numbers of branches are located.							
A	SQL> select city from branch group by city 2 having count(city)>=all(select count(b.city) from branch b group by b.city);  CITY  Delhi							
0.10	Cive name of systematic living in some city where mayimum denseitors are leasted							
Q-10 A	Give name of customers living in same city where maximum depositors are located.  SQL> select customer1.cname from customer1 where customer1.city=  2 (select branch.city from branch where branch.bname =  3 (select bname from deposit group by bname having count (bname)>=  4 All(select count(d.bname) from deposit d group by d.bname)));							
	CNAME Shivani Kranti Naren							

	Practical-8						
(i)	Mani	pulating D	ata				
Q-1	Give 10% interest to all depositors.						
A	SQL>	SQL> select * from deposit;					
	A_NO	CNAME	BNAME	AMOUNT	A_DATE		
	SQL> 6 row SQL> A_NO 101 102 103 104 105	Sunil Jay Vijay Keyur Mayur  s selected update depoints updated select *  CNAME  Anil Sunil Jay Vijay Keyur	Andheri Dadar Borivali  d.  posit set amount  from deposit;  BNAME Andheri Virar Villepar Andheri Dadar	5000 fle 6500 8000 7500 i 5500  t = amount * (1) 7700 5500 fle 7150 8800 8250	15-JUL-06 12-MAR-06 17-SEP-06 19-NOV-06 21-DEC-06 1.1);		
	106		Borivali	i 6050	21-DEC-06		
	6 rows selected.						
Q-2	Give	Give 10% interest to all depositors having branch vrce.					
A		elect * from CNAME		MOUNT A_DATE			
	102 : 103 : 104 : 105 : 106 : 106 : 108 : SQL> up	Anil Sunil Jay Vijay Keyur Mayur  selected. pdate deposit	Andheri Virar Villeparle Andheri Dadar Borivali	7700 01-JAN-06 5500 15-JUL-06 7150 12-MAR-06 8800 17-SEP-06 8250 19-NOV-06 6050 21-DEC-06	ame = 'Vrce';		

```
Give 10% interest to all depositors living in nagpur and having branch city bombay.
Q-3
 A
     SQL update deposit set amount = amount * (1.1)
            where cname IN(select cname from customer1 where city = 'Nagpur')
            and bname IN(select bname from branch where city = 'Bombay');
     0 rows updated.
Q-4
     Write a query which changes the department number of all employees with empno 7788's job to
     employee 7844'current department number.
     SOL> update employees
 Α
       2 set department_id = (select department_id from employees where employee_id = 7844)
       3 where job id = (select job id from employees where employee id = 7788);
     0 rows updated.
     Transfer 10 Rs from account of anil to sunil if both are having same branch.
Q-5
 A
     SQL> update deposit set amount=amount+10
           where cname = 'Sunil' and
           bname in (select d2.bname from deposit d2 where d2.cname = 'Anil');
     0 rows updated.
     Give 100 Rs more to all depositors if they are maximum depositors in their respective branch.
Q-6
 Α
     SQL> select * from deposit;
     A_NO CNAME
                                    AMOUNT A_DATE
                       BNAME
     101 Anil
                       Andheri
                                     7700 01-JAN-06
     102
          Sunil
                       Virar
                                     5500 15-JUL-06
     103
                       Villeparle
          Jay
                                     7150 12-MAR-06
     104
          Vijay
                       Andheri
                                     8800 17-SEP-06
     105
          Keyur
                       Dadar
                                     8250 19-NOV-06
                       Borivali
     106
          Mayur
                                     6050 21-DEC-06
     6 rows selected.
     SQL> update deposit set amount = amount + 100 where amount IN(select max(amount) from deposit group by bname);
       rows updated.
     SQL> select * from deposit;
     A_NO CNAME
                                    AMOUNT A DATE
                       BNAME
     101
          Anil
                       Andheri
                                     7700 01-JAN-06
     102
          Sunil
                       Virar
                                     5600 15-JUL-06
                       Villeparle
     103
          Jay
                                     7250 12-MAR-06
                       Andheri
          Vijay
     104
                                     8900 17-SEP-06
     105
                       Dadar
                                     8350 19-NOV-06
          Kevur
                       Borivali
                                     6150 21-DEC-06
     106
          Mayur
      rows selected.
```

```
Delete depositors of branches having number of customers between 1 and 3.
     SQL> select * from deposit;
 A
     A NO CNAME
                               BNAME
                                                 AMOUNT A DATE
            Anil
      101
                               Andheri
                                                   7700 01-JAN-06
      102
            Sunil
                               Virar
                                                   5600 15-JUL-06
      103
            Jay
                               Villeparle
                                                   7250 12-MAR-06
      104
                               Andheri
            Vijay
                                                   8900 17-SEP-06
      105
                               Dadar
            Keyur
                                                   8350 19-NOV-06
      106
                               Borivali
            Mayur
                                                   6150 21-DEC-06
      6 rows selected.
     SQL> delete from deposit
        2 where cname IN(select d1.cname from deposit d1 group by d1.bname, d1.cname
        3 having count (d1.cname) between 1 and 3);
      6 rows deleted.
     SQL> select * from deposit;
     no rows selected
Q-8
     Delete deposit of vijay.
 Α
     SQL> delete from deposit where cname = 'Vijay';
     0 rows deleted.
0-9
     Delete borrower of branches having average loan less than 1000.
 Α
     SQL> select * from borrow;
      LOANNO CNAME
                      BNAME
                                    AMOUNT
      201
          Anil
                      Ville Parle
                                      1000
      206
          Sunil
                      Ahmedabad
                                      5000
      311
                      Ahmedabad
                                      3000
      321
          Vijay
                      Virar
                                      2000
          Keyur
                      Dadar
                                      8000
      481
                      Borivali
          Mayur
                                      3000
      6 rows selected.
      SQL> delete from borrow where amount IN(select b1.amount from borrow b1 group by b1.bname,b1.amount having avg(b1.amount)<1000);
       rows deleted.
```

(ii) To study various Data Control Languages(DCL), Transfer Control Language(TCL) commands

Q-1 Develop a query to grant all privileges of employees table to new user.

A Enter password: \_ Connected. SQL> grant all on employee to c##Temp; Grant succeeded. SQL> connect c##Temp; Enter password: Connected. SQL> select \* from c##22ce083.employee; EMP\_NO EMP\_NAME EMP SAL EMP COMM DEPT NO L NAME DEPT NAME JOB ID LOCATION MANAGER\_ID HIREDATE PHONE Australia 108 Bhavi 1900 10 Naik Blockchain bk\_ch 105 16-JUL-97 101 Smith 800 10 Shah Machine Learning fi mgr Toronto 105 09-AUG-96 102 Snehal 300 1600 25 Gupta Data Science Las Vegas 14-MAR-96 103 Darshita 1100 20 Wales Machine Learning 105 30-NOV-95 mk\_mgr Ontario 104 Aman 3000 10 Sharma Virtual Reality Mexico 12 02-0CT-97 comp\_op 105 Anita 5000 50000 10 Patel Big Data Analytics 107 01-JAN-98 comp\_op Germany 106 Sneha 24500 10 Joseph Big Data Analytics fi acc Melbourne 105 26-SEP-97 30 Jha Artificial Intelligence 15-JUL-97 107 Anamika it\_prog New York rows selected.

Q-2 Develop a query to grant some privileges of employees table to new user.

A SQL> connect c##22ce083; Enter password: \_ Connected. SQL> grant select,insert,update on employee to c##Temp; Grant succeeded. SQL> connect c##Temp; Enter password: 💂 Connected. SQL> select \* from c##22ce083.employee; LOCATION EMP\_NO EMP\_NAME EMP\_SAL EMP\_COMM DEPT\_NO L\_NAME DEPT\_NAME JOB\_ID MANAGER\_ID HIREDATE PHONE 108 Bhavi 1900 10 Naik Blockchain bk\_ch Australia 105 16-JUL-97 10 Shah Machine Learning 101 Smith 800 fi\_mgr Toronto 105 09-AUG-96 300 102 Snehal 1600 25 Gupta Data Science Las Vegas 14-MAR-96 103 Darshita 1100 20 Wales Machine Learning mk mgr Ontario 105 30-NOV-95 10 Sharma Virtual Reality 12 02-0CT-97 104 Aman 3000 comp\_op Mexico 105 Anita 10 Patel Big Data Analytics 5000 Germany 107 01-JAN-98 comp op 10 Joseph 106 Sneha 2450 24500 Big Data Analytics fi\_acc Melbourne 105 26-SEP-97 107 Anamika 30 Jha Artificial Intelligence 15-JUL-97 it\_prog New York rows selected.

```
Q-3
    Develop a query to revoke all privileges of employees table from user.
Α
    SQL> connect c##22ce083;
    Enter password:
    Connected.
    SQL> revoke all on employee from c##Temp;
    Revoke succeeded.
    SQL> connect c##Temp;
    Enter password:
     Connected.
    SQL> select * from c##22ce083.employee;
    select * from c##22ce083.employee
    ERROR at line 1:
    ORA-00942: table or view does not exist
Q-4
    Develop a query to revoke some privileges of employees table from user.
Α
    SQL> revoke select on employee from c##Temp;
    Revoke succeeded.
    SQL> connect c##Temp;
    Enter password:
    Connected.
    SQL> select * from c##22ce083.employee;
    select * from c##22ce083.employee
    ERROR at line 1:
    ORA-01031: insufficient privileges
```