EXPERIMENT 5
Am: Perform Simple Queries, String Manipulation operations.
Objective: To inderstand simple queries and string manipulation operations
Description:
Ohere clause is used to select sous, eg. select column 1, from table name where condition.
o five basic searching conductors conditions. i) (omparision. (=, <, >, <=, >=, <>). 2) Range (between, not between)
1) (omparision. (=, <, >, <=, >=, <>).
4) Pattern match (Like Not Like)
5) NULL (ISNULL/NOT NULL)
3) 11000
String manipulation speriodore
length (column name) - reforme length in no of change
o lower (column name) - reforme length in no of change
o upper (11) - vice versa.
· tranboth (both " from string") - strips starting and
railing characters.

	trinileading trim (leading ! from string) - strips from front
	then trailing true (trailing - from string) - stripe from trail.
•	then trailing then (leading - ' from string') - strips from front then trailing then (trailing - ' from string') - strips from trail. replace (columname, "from', "to") - replaces specified string
۰	Substring (colourname from for) - breate a substring Stort end from start & end points.
	1 1 from start & end
	Start ena points.
	substring (columname from _) - create a substring
	how starting point given till
	substring (colournance, from _) - create a substring fort given till the end of the whole
	b

SQL Queries:

SQL> sele	ect * from	m employee	where	salary	BETW	EEN	46350	and	82400;
SS	SN ENAME			SALAF	RY :	SUPE	RSSN		DNO
10	00 William	1		5156	90		100		10
16	1 Jonas			6186	90		101		11
16	2 SCARLET	Г		8246	99		102		12
16	3 BLAIR			4635	50		103		13
10	4 CHARLES	5		5026	90		100		10
SQL> sele	ect * from	n employee	where	salary	BETW	EEN	46350	and	51500;
SS	N ENAME			SALAF	RY :	SUPE	RSSN		DNO
10	00 William	n		5156	90		100		10
16	BLAIR			4635	50		103		13
10	4 CHARLES	5		5026					10
SQL> sele	ect * from	n employee	where	DNO in	'10'	;			
S	N ENAME			SALAF	RY :	SUPE	RSSN		DNO
16	00 William	n		5156	90		100		10
10	4 CHARLES	5		5026	90		100		10
SQL> sele	ect * from	m employee	where	DNO not	t in	'10'	;		
SS	SN ENAME			SALAF	RY :	SUPE	RSSN		DNO
16	31 Jonas			6186	30		101		11
	2 SCARLET	Г		8246					12
	3 BLAIR			4635			103		13

SQL> select * from employee whe	re ENAME :	like '%as';		
SSN ENAME	SALA	RY SUPERS	SN	DNO
101 Jonas		90 1		11
SQL> select * from employee whe	re ENAME :	like '%es';		
no rows selected				
SQL> select * from employee whe	re ENAME :	like '%ES';		
SSN ENAME	SALA	RY SUPERS	SN	DNO
404 CUARLES				
104 CHARLES	5020	99 1	.00	10
SQL> select * from employee whe	re ENAME :	like 'BL%';		
SSN ENAME	SALA	RY SUPERS	SN	DNO
400 PLATE				
103 BLAIR	463	50 1	.03	13
SQL> select * from employee where	ENAME not	like 'am%';	;	
SSN ENAME	SALARY	SUPERSSN	DNO	
	51500 61800	100 101	10 11	
	51500 61800		10 11	
100 William 101 Jonas	51500 61800 82400	100 101	10 11	
100 William 101 Jonas 102 SCARLET	51500 61800 82400	100 101 102 103	10 11 12	
100 William 101 Jonas 102 SCARLET 103 BLAIR	51500 61800 82400 46350 50200	100 101 102 103 100	10 11 12 13	
100 William 101 Jonas 102 SCARLET 103 BLAIR 104 CHARLES	51500 61800 82400 46350 50200	100 101 102 103 100	10 11 12 13	
100 William 101 Jonas 102 SCARLET 103 BLAIR 104 CHARLES SQL> select * from employee where	51500 61800 82400 46350 50200 ENAME is 1	100 101 102 103 100	10 11 12 13	
100 William 101 Jonas 102 SCARLET 103 BLAIR 104 CHARLES SQL> select * from employee where no rows selected	51500 61800 82400 46350 50200 ENAME is 1	100 101 102 103 100	10 11 12 13	
100 William 101 Jonas 102 SCARLET 103 BLAIR 104 CHARLES SQL> select * from employee where no rows selected SQL> select * from employee where	51500 61800 82400 46350 50200 ENAME is I	100 101 102 103 100 null;	10 11 12 13	
100 William 101 Jonas 102 SCARLET 103 BLAIR 104 CHARLES SQL> select * from employee where no rows selected SQL> select * from employee where no rows selected	51500 61800 82400 46350 50200 ENAME IS I	100 101 102 103 100 null;	10 11 12 13 10	
100 William 101 Jonas 102 SCARLET 103 BLAIR 104 CHARLES SQL> select * from employee where no rows selected SQL> select * from employee where no rows selected SQL> select * from employee where	51500 61800 82400 46350 50200 ENAME is I	100 101 102 103 100 null; NULL; SUPERSSN	10 11 12 13 10	
100 William 101 Jonas 102 SCARLET 103 BLAIR 104 CHARLES SQL> select * from employee where no rows selected SQL> select * from employee where no rows selected SQL> select * from employee where SSN ENAME 100 William	51500 61800 82400 46350 50200 ENAME IS I	100 101 102 103 100 null; NULL; NOT NULL;	10 11 12 13 10 DNO	
100 William 101 Jonas 102 SCARLET 103 BLAIR 104 CHARLES SQL> select * from employee where no rows selected SQL> select * from employee where no rows selected SQL> select * from employee where SQL> select * from employee where SQL> select * from employee where SQL> select * from employee where SSN ENAME 100 William 101 Jonas	51500 61800 82400 46350 50200 ENAME IS I	100 101 102 103 100 null; NULL; SUPERSSN 100 101	10 11 12 13 10 DNO	
100 William 101 Jonas 102 SCARLET 103 BLAIR 104 CHARLES SQL> select * from employee where no rows selected SQL> select * from employee where no rows selected SQL> select * from employee where SSN ENAME	51500 61800 82400 46350 50200 ENAME IS I	100 101 102 103 100 null; NULL; SUPERSSN 100 101	10 11 12 13 10 DNO 10 11 12	

```
CID CNAME
                                        ADDRESS
                                        Starbuck, Minnesota
                1 Bart
                2 Homer
                                        Hammond, Louisiana
               3 Marge
                                        Lockport, New York
                4 Lisa
                                        Starbuck, Minnesota
      SQL> select CNAME from customer where address IS NULL;
      no rows selected
      SQL> select CNAME from customer where address IS NOT NULL;
      CNAME
      Bart
      Homer
      Marge
      Lisa
      SQL> select * from customer where CNAME NOT IN('Starbuck, Minnesota');
              CID CNAME
                                        ADDRESS
         __________
                                        Starbuck, Minnesota
                1 Bart
                                        Hammond, Louisiana
               3 Marge
                                        Lockport, New York
               4 Lisa
                                        Starbuck, Minnesota
      SQL> select * from customer where CNAME IN('Starbuck, Minnesota');
      no rows selected
SQL> select * from customer where CNAME NOT IN('Starbuck, Minnesota');
     CID CNAME
                          ADDRESS
                         Starbuck, Minnesota
       2 Homer
                         Hammond, Louisiana
       3 Marge
                          Lockport, New York
                          Starbuck, Minnesota
SQL> select * from customer where CNAME IN('Starbuck, Minnesota');
no rows selected
SQL> select * from customer where CNAME IN('Bart');
     CID CNAME
                          ADDRESS
      1 Bart
                          Starbuck, Minnesota
SQL> select count(*) as 'cl' from CNAME group by CID having count(*)>1;
select count(*) as 'cl' from CNAME group by CID having count(*)>1
ERROR at line 1:
ORA-00923: FROM keyword not found where expected
SQL> desc employee;
                                                                                                Null?
                                                                                                        Type
                                                                                                NOT NULL NUMBER(38)
ENAME
                                                                                                NOT NULL VARCHAR2(20)
SALARY
                                                                                                        NUMBER(38)
```

NUMBER(38) NUMBER(38)

SQL> select * from customer;

Name

SSN

DNO

SUPERSSN

SQL> select	* from dept;		
DNO	DNAME	STARTDATE	MGRSSN
10	FINANCE	12-NOV-21	100
11	AUDIT	12-OCT-21	101
12	MARKETING	01-NOV-21	102
13	PRODUCTION	09-OCT-21	103
SQL>			

Conclusion:
Thus we have successfully performed,
learned and implemented simple quesies on strings
and string manipulation.