EXPERIMENT-5

AIM: TO WRITE SQL QUERIES TO PERFORM SPECIAL OPERATIONS(i.e LIKE,BETWEEN,ISNULL,ISNOTNULL)

Creating a table

```
1   CREATE TABLE students_in(
2   name VARCHAR2(10) NOT NULL,
3   r_no VARCHAR2(5) NOT NULL,
4   branch VARCHAR2(5) NULL,
5   block VARCHAR2(6) NULL,
6   fee NUMBER NOT NULL,
7*  PRIMARY KEY(name))
SQL-CSE530>/

Table created.
```

Inserting values :

```
SQL-CSE530>INSERT INTO students_in VALUES('Jagadeesh',530,'CSE','B',2500000);

1 row created.

SQL-CSE530>INSERT INTO students_in VALUES('Anees',553,'CSE','B',2200000);

1 row created.

SQL-CSE530>INSERT INTO students_in VALUES('Balaji',510,'CSE','A',2200000);

1 row created.

SQL-CSE530>INSERT INTO students_in VALUES('Baba',509,'CSE','A',2900000);

1 row created.

SQL-CSE530>INSERT INTO students_in VALUES('Tauheed',547,'CSE','A',3500000);

1 row created.
```

```
SQL-CSE530>INSERT INTO students_in VALUES('Tarun',547,'','',3500000);

1 row created.

SQL-CSE530>INSERT INTO students_in VALUES('Mani',549,'','',3900000);

1 row created.

SQL-CSE530>INSERT INTO students_in VALUES('Rehan',554,'','',3900000);

1 row created.
```

Is Null operation :

```
SQL-CSE530>SELECT * from students_in;

NAME          R_NO  BRANC BLOCK         FEE
----------    ----- ----- ------  ----------
Jagadeesh     530   CSE   B          2500000
Anees         553   CSE   B          2200000
Balaji        510   CSE   A          2200000
Baba          509   CSE   A          2900000
Tauheed       547   CSE   A          3500000
Tarun         547                    3500000
Mani          549                    3900000
Rehan         554                    3900000

8 rows selected.

SQL-CSE530>SELECT *FROM students_in WHERE branch IS NULL;

NAME          R_NO  BRANC BLOCK         FEE
----------    ----- ----- ------  ----------
Tarun         547                    3500000
Mani          549                    3900000
Rehan         554                    3900000
```

Is not null operation :

```
SQL-CSE530>SELECT *FROM students_in WHERE branch IS NOT NULL;

NAME          R_NO  BRANC BLOCK         FEE
----------    ----- ----- ------  ----------
Jagadeesh     530   CSE   B          2500000
Anees         553   CSE   B          2200000
Balaji        510   CSE   A          2200000
Baba          509   CSE   A          2900000
Tauheed       547   CSE   A          3500000
```

Between operation :

```
SQL-CSE530>SELECT *FROM students_in WHERE fee BETWEEN 2000000 and 3000000;

NAME        R_NO  BRANC BLOCK        FEE
----------  ----- ----- ------ ----------
Jagadeesh   530   CSE   B         2500000
Anees       553   CSE   B         2200000
Balaji      510   CSE   A         2200000
Baba        509   CSE   A         2900000

SQL-CSE530>SELECT *FROM students_in WHERE fee BETWEEN 2500000 and 3500000;

NAME        R_NO  BRANC BLOCK        FEE
----------  ----- ----- ------ ----------
Jagadeesh   530   CSE   B         2500000
Baba        509   CSE   A         2900000
Tauheed     547   CSE   A         3500000
Tarun       547                   3500000
```

Like operation:

```
SQL-CSE530>SELECT *FROM students_in WHERE branch LIKE 'CSE%';

NAME        R_NO  BRANC BLOCK         FEE
----------  ----- ----- ------ ----------
Jagadeesh   530   CSE   B         2500000
Anees       553   CSE   B         2200000
Balaji      510   CSE   A         2200000
Baba        509   CSE   A         2900000
Tauheed     547   CSE   A         3500000
```

```
SQL-CSE530>SELECT *FROM students_in WHERE bLOCK LIKE 'B%';

NAME          R_NO   BRANC BLOCK          FEE
----------  ----- ----- ------ ----------
Jagadeesh   530    CSE    B           2500000
Anees       553    CSE    B           2200000


SQL-CSE530>SELECT *FROM students_in WHERE bLOCK LIKE 'A%';

NAME          R_NO   BRANC BLOCK          FEE
----------  ----- ----- ------ ----------
Balaji      510    CSE    A           2200000
Baba        509    CSE    A           2900000
Tauheed     547    CSE    A           3500000
```

Exists operation :

```
SQL-CSE530>SELECT *FROM students_in WHERE EXISTS (SELECT name FROM students_in);

NAME        R_NO  BRANC BLOCK        FEE
---------- ----- ----- ------ ----------
Jagadeesh  530   CSE   B         2500000
Anees      553   CSE   B         2200000
Balaji     510   CSE   A         2200000
Baba       509   CSE   A         2900000
Tauheed    547   CSE   A         3500000
Tarun      547                   3500000
Mani       549                   3900000
Rehan      554                   3900000

8 rows selected.
```