#### **EXPERIMENT-6**

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',22000000);

1 row created.

SQL-CSE530>INSERT INTO students_in VALUES('Balaji',510,'CSE','A',22000000);

1 row created.

SQL-CSE530>INSERT INTO students_in VALUES('Baba',509,'CSE','A',29000000);

1 row created.

SQL-CSE530>INSERT INTO students_in VALUES('Tauheed',547,'CSE','A',35000000);

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
                            2500000
Jagadeesh 530
              CSE
              CSE
          553
                     В
Anees
                              2200000
Balaji
        510 CSE
                    Α
                              2200000
Baba
              CSE
          509
                    Α
                              2900000
Tauheed
        547
             CSE
                    Α
                              3500000
Tarun
         547
                              3500000
Mani
         549
                              3900000
Rehan 554
                              3900000
8 rows selected.
SQL-CSE530>SELECT *FROM students_in WHERE branch IS NULL;
          R NO BRANC BLOCK
NAME
                                  FEE
          547
Tarun
                              3500000
Mani
          549
                              3900000
Rehan
          554
                              3900000
```

## Is not null operation:

| SQL-CSE530: | >SELEC | Γ *FRON | 1 students | s_in WHERE | branch | IS | NOT | NULL; |
|-------------|--------|---------|------------|------------|--------|----|-----|-------|
| NAME        | R_NO   | BRANC   | BLOCK      | FEE        |        |    |     |       |
|             |        |         |            |            |        |    |     |       |
| Jagadeesh   | 530    | CSE     | В          | 2500000    |        |    |     |       |
| Anees       | 553    | CSE     | В          | 2200000    |        |    |     |       |
| Balaji      | 510    | CSE     | Α          | 2200000    |        |    |     |       |
| Baba        | 509    | CSE     | А          | 2900000    |        |    |     |       |
| Tauheed     | 547    | CSE     | Α          | 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
       553 CSE B
Anees
                         2200000
Balaji
        510 CSE A
                         2200000
        509 CSE A 2900000
Baba
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
        553 CSE
                  В
Anees
                          2200000
Balaji
        510 CSE A
                          2200000
        509 CSE
Baba
                  Α
                           2900000
        547
Tauheed
             CSE
                   Α
                           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%';
   R NO BRANC BLOCK FEE
NAME
Balaji 510 CSE
                  A 2200000
Baba
        509 CSE
                  Α
                          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
Jagadeesh 530 CSE B
                           2500000
Anees 553 CSE B
                          2200000
Balaji
        510 CSE A
                          2200000
        509 CSE A
Baba
                           2900000
        547 CSE A
Tauheed
                           3500000
Tarun
         547
                           3500000
         549
Mani
                           3900000
Rehan
        554
                           3900000
8 rows selected.
```