

EXPERIMENT-7

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

Creating a table

```
SQL> CREATE TABLE students6 (  
2   student_id INT PRIMARY KEY,  
3   first_name VARCHAR(50),  
4   last_name VARCHAR(50),  
5   date_of_birth NUMBER,  
6   gender CHAR(1),  
7   email VARCHAR(100)  
8 );
```

Table created.

Inserting values :

```
SQL> INSERT INTO students6 VALUES(1,'A','bindu',2023-02-01,'f','bindu@gmail.com');  
1 row created.  
  
SQL> INSERT INTO students6 VALUES(2,'B','kutty',2023-02-02,'f','kutty@gmail.com');  
1 row created.  
  
SQL> INSERT INTO students6 VALUES(3,'c','sonu',2023-03-02,'f','sonu@gmail.com');  
1 row created.  
  
SQL> INSERT INTO students6 VALUES(4,'d','sunny',2023-03-03,'m','sunny@gmail.com');  
1 row created.  
  
SQL> INSERT INTO students6 VALUES(5,'e','sandeep',2023-03-07,'m','sandeep@gmail.com');  
1 row created.  
  
SQL> INSERT INTO students6 VALUES(6,'f','netra',2023-03-08,'f','netra@gmail.com');  
1 row created.  
  
SQL> INSERT INTO students6 VALUES(7,'g','abhi',2023-06-08,'m','abhi@gmail.com');  
1 row created.
```

Is Null operation :

```
SQL> SELECT * from students6;
```

```
STUDENT_ID FIRST_NAME
```

```
LAST_NAME
```

```
DATE_OF_BIRTH G
```

```
EMAIL
```

```
1 A  
bindu  
bindu@gmail.com  
2020 f
```

```
2 B  
kutty  
kutty@gmail.com  
2019 f
```

```
STUDENT_ID FIRST_NAME
```

```
LAST_NAME
```

```
DATE_OF_BIRTH G
```

```
EMAIL
```

```
3 c  
sonu  
sonu@gmail.com  
2018 f
```

```
4 d  
sunny  
2017 m
```

```
SQL> SELECT * FROM students6 WHERE gender IS NULL;
```

```
no rows selected
```

Is not null operation :

```
SQL> SELECT * FROM students6 WHERE gender IS NOT NULL;

STUDENT_ID FIRST_NAME
-----
LAST_NAME DATE_OF_BIRTH G
-----
EMAIL
-----
          1 A
bindu      2020 f
bindu@gmail.com

          2 B
kutty      2019 f
kutty@gmail.com
```

Between operation :

```
SQL> SELECT * FROM students6 WHERE student_id BETWEEN 1 and 5;

STUDENT_ID FIRST_NAME
-----
LAST_NAME DATE_OF_BIRTH G
-----
EMAIL
-----
          1 A
bindu      2020 f
bindu@gmail.com

          2 B
kutty      2019 f
kutty@gmail.com

STUDENT_ID FIRST_NAME
-----
LAST_NAME DATE_OF_BIRTH G
-----
EMAIL
-----
          3 c
sonu      2018 f
sonu@gmail.com

          4 d
sunny     2017 m
```

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> SELECT * FROM students6 WHERE last_name LIKE 'sunny%';
```

STUDENT_ID	FIRST_NAME	LAST_NAME	DATE_OF_BIRTH	G	EMAIL
4	d	sunny	2017	m	sunny@gmail.com

Exists operation :

```
SQL> SELECT * FROM students6 WHERE EXISTS (SELECT last_name FROM students6);
```

STUDENT_ID	FIRST_NAME	LAST_NAME	DATE_OF_BIRTH	G	EMAIL
1	A	bindu	2020	f	bindu@gmail.com
2	B	kutty	2019	f	kutty@gmail.com