**SQL LIKE operator-**

**1.where customername LIKE ‘a%’**

select\*

-> from e

-> where ename LIKE '\_\_j\_\_';

+------+-------+-------------+------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+-------+-------------+------+-----------------+-------------+--------+------------+

| 102 | Kajal | CEO | pune | 11-10-2022 | k@gmail.com | 40000 | 1234567890 |

+------+-------+-------------+------+-----------------+-------------+--------+------------+

1 row in set (0.00 sec)

**2.where customername LIKE ‘%a’**

select\*

-> from e

-> where ename LIKE '\_\_\_\_a%';

+------+-------+-------------+--------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+-------+-------------+--------+-----------------+-------------+--------+------------+

| 104 | Nayra | HR | gujrat | 21-4-2022 | n@gmail.com | 400000 | 1234567890 |

| 105 | Angha | manager | Mumbai | 14-1-2022 | a@gmail.com | 50000 | 1234567890 |

+------+-------+-------------+--------+-----------------+-------------+--------+------------+

2 rows in set (0.00 sec)

**3where customername LIKE ‘a\_\_%’**

select\*

-> from e

-> where ename LIKE 'S\_\_\_\_\_%';

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| 101 | Suhani | Assistant | satara | 12-12-2022 | s@gmail.com | 20000 | 1234567890 |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

**4where customername LIKE ‘\_\_%a’**

select\*

-> from e

-> where ename LIKE '\_\_\_\_%a';

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| 103 | Vedika | Cashier | Surat | 1-11-2024 | v@gmail.com | 200000 | 1234567890 |

| 104 | Nayra | HR | gujrat | 21-4-2022 | n@gmail.com | 400000 | 1234567890 |

| 105 | Angha | manager | Mumbai | 14-1-2022 | a@gmail.com | 50000 | 1234567890 |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

3 rows in set (0.00 sec)

**5where customername LIKE ‘\_\_a\_\_b%’**

select\*

-> from e

-> where ename LIKE '\_\_d\_\_a%';

+------+--------+-------------+-------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+--------+-------------+-------+-----------------+-------------+--------+------------+

| 103 | Vedika | Cashier | Surat | 1-11-2024 | v@gmail.com | 200000 | 1234567890 |

**6where customername LIKE ‘a\_\_\_\_b%’**

select\*

-> from e

-> where ename LIKE'k\_\_\_l%';

+------+-------+-------------+------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+-------+-------------+------+-----------------+-------------+--------+------------+

| 102 | Kajal | CEO | pune | 11-10-2022 | k@gmail.com | 40000 | 1234567890 |

+------+-------+-------------+------+-----------------+-------------+--------+------------+

1 row in set (0.00 sec)

**7where customername LIKE ‘a%’**

select\*

-> from e

-> where ename LIKE's%';

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| 101 | Suhani | Assistant | satara | 12-12-2022 | s@gmail.com | 20000 | 1234567890 |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

1 row in set (0.00 sec)

**8where customername LIKE ‘%a%’**

select\*

-> from e

-> where ename LIKE'%s%';

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| 101 | Suhani | Assistant | satara | 12-12-2022 | s@gmail.com | 20000 | 1234567890 |

**9where customername LIKE ‘\_\_a\_\_’**

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| 101 | Suhani | Assistant | satara | 12-12-2022 | s@gmail.com | 20000 | 1234567890 |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

**Not exam-**

**Decending order-**

select\* from e

-> where not city='vaduj';

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| 101 | Suhani | Assistant | satara | 12-12-2022 | s@gmail.com | 20000 | 1234567890 |

| 102 | Kajal | CEO | pune | 11-10-2022 | k@gmail.com | 40000 | 1234567890 |

| 103 | Vedika | Cashier | Surat | 1-11-2024 | v@gmail.com | 200000 | 1234567890 |

| 104 | Nayra | HR | gujrat | 21-4-2022 | n@gmail.com | 400000 | 1234567890 |

| 105 | Angha | manager | Mumbai | 14-1-2022 | a@gmail.com | 50000 | 1234567890 |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

5 rows in set (0.00 sec)

**ascending order-**

select\*

-> from e

-> order by city asc;

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| 104 | Nayra | HR | gujrat | 21-4-2022 | n@gmail.com | 400000 | 1234567890 |

| 105 | Angha | manager | Mumbai | 14-1-2022 | a@gmail.com | 50000 | 1234567890 |

| 102 | Kajal | CEO | pune | 11-10-2022 | k@gmail.com | 40000 | 1234567890 |

| 101 | Suhani | Assistant | satara | 12-12-2022 | s@gmail.com | 20000 | 1234567890 |

| 103 | Vedika | Cashier | Surat | 1-11-2024 | v@gmail.com | 200000 | 1234567890 |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

5 rows in set (0.00 sec)

select\*

-> from e

-> where eno >=103 order by eno desc;

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| 105 | Angha | manager | Mumbai | 14-1-2022 | a@gmail.com | 50000 | 1234567890 |

| 104 | Nayra | HR | gujrat | 21-4-2022 | n@gmail.com | 400000 | 1234567890 |

| 103 | Vedika | Cashier | Surat | 1-11-2024 | v@gmail.com | 200000 | 1234567890 |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

3 rows in set (0.00 sec)

**1.disply the employee details in decending order**

select\*

-> from e

-> order by ename desc;

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| 103 | Vedika | Cashier | Surat | 1-11-2024 | v@gmail.com | 200000 | 1234567890 |

| 101 | Suhani | Assistant | satara | 12-12-2022 | s@gmail.com | 20000 | 1234567890 |

| 104 | Nayra | HR | gujrat | 21-4-2022 | n@gmail.com | 400000 | 1234567890 |

| 102 | Kajal | CEO | pune | 11-10-2022 | k@gmail.com | 40000 | 1234567890 |

| 105 | Angha | manager | Mumbai | 14-1-2022 | a@gmail.com | 50000 | 1234567890 |

**2.disply the employee details in decending order**

**On city column**

select\* from e

-> where not city='vaduj';

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+--------+-------------+--------+-----------------+-------------+--------+------------+

| 101 | Suhani | Assistant | satara | 12-12-2022 | s@gmail.com | 20000 | 1234567890 |

| 102 | Kajal | CEO | pune | 11-10-2022 | k@gmail.com | 40000 | 1234567890 |

| 103 | Vedika | Cashier | Surat | 1-11-2024 | v@gmail.com | 200000 | 1234567890 |

| 104 | Nayra | HR | gujrat | 21-4-2022 | n@gmail.com | 400000 | 1234567890 |

| 105 | Angha | manager | Mumbai | 14-1-2022 | a@gmail.com | 50000 | 1234567890 |

**Question**

**1.display name of employee whose name start with a & end with a & designation is sr.manager&he/she belong to pune or Mumbai city.**

SELECT ename FROM e WHERE ename LIKE 'k%l'AND designation = 'ceo'AND city IN ('Pune','mumbai');

+-------+

| ename |

+-------+

| Kajal |

+-------+

1 row in set (0.00 sec)

**2.display the detail of employee whose email contains character and salary between 10000 to 20000 or employee id is either 1,2,3,4**

select\*

-> from e

-> WHERE city LIKE '%.%' AND salary BETWEEN 40000 AND 400000 OR eno IN(102,104);

+------+-------+-------------+--------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+-------+-------------+--------+-----------------+-------------+--------+------------+

| 102 | Kajal | CEO | pune | 11-10-2022 | k@gmail.com | 40000 | 1234567890 |

| 104 | Nayra | HR | gujrat | 21-4-2022 | n@gmail.com | 400000 | 1234567890 |

+------+-------+-------------+--------+-----------------+-------------+--------+------------+

2 rows in set (0.00 sec)

**3.disply name ,** **designation where name having second charcter is a and ends with t & also name, designation**

select ename,designation

-> from e

-> where ename LIKE'\_\_y%a';

+-------+-------------+

| ename | designation |

+-------+-------------+

| Nayra | HR |

**4.display detail of employee name in desending order name contains only one character**

select\*

-> from e

-> where ename LIKE 'Nayra'order by ename desc;

+------+-------+-------------+--------+-----------------+-------------+--------+------------+

| eno | ename | designation | city | date\_of\_joining | email | salary | phoneno |

+------+-------+-------------+--------+-----------------+-------------+--------+------------+

| 104 | Nayra | HR | gujrat | 21-4-2022 | n@gmail.com | 400000 | 1234567890 |

+------+-------+-------------+--------+-----------------+-------------+--------+------------+