**SQL LIKE Operator:**

1.Employee ename LIKEs%

mysql> select\*

-> from employee

-> where ename like's%';

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

| eid | ename | salary | designation | city | date |

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

| 101 | Sonal shinde | 500000 | Software Developer | pune | -1985 |

| 102 | sudha patil | 800000 | Software engineer | satara | -1985 |

| 103 | Sonali pol | 1000000 | Database Administrater | satara | -1985 |

| 105 | Shubham Patil | 500000 | Project Manager | sangli | -1987 |

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

4 rows in set (0.00 sec)

**Employee Name LIKE‘%e’**

mysql> select\*

-> from employee

-> where ename LIKE'%e';

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

| eid | ename | salary | designation | city | date |

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

| 101 | Sonal shinde | 500000 | Software Developer | pune | -1985 |

| 104 | Radha More | 1200000 | UX Designer | kolhapur | -1985 |

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

**Employee Name like%0r%**

mysql> select\*

-> from employee

-> where ename LIKE'%or%';

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

| eid | ename | salary | designation | city | date |

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

| 104 | Radha More | 1200000 | UX Designer | kolhapur | -1985 |

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

1 row in set (0.00 sec)

**Employee Name LIKE‘\_a%’**

mysql> select\*

-> from employee

-> where ename LIKE'\_a%';

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

| eid | ename | salary | designation | city | date |

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

| 104 | Radha More | 1200000 | UX Designer | kolhapur | -1985 |

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

1 row in set (0.00 sec)

**Employee Name LIKE ‘a\_%’**

Employee Name LIKE ‘a\_%’

mysql> select\*

-> from employee

-> where ename LIKE'\_a%';

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

| eid | ename | salary | designation | city | date |

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

| 104 | Radha More | 1200000 | UX Designer | kolhapur | -1985 |

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

1 row in set (0.00 sec)

**Employee Name LIKE ‘s\_\_%’**

mysql> select\*

-> from employee

-> where ename like's\_\_%';

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

| eid | ename | salary | designation | city | date |

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

| 101 | Sonal shinde | 500000 | Software Developer | pune | -1985 |

| 102 | sudha patil | 800000 | Software engineer | satara | -1985 |

| 103 | Sonali pol | 1000000 | Database Administrater | satara | -1985 |

| 105 | Shubham Patil | 500000 | Project Manager | sangli | -1987 |

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

4 rows in set (0.00 sec)

**Employee Name LIKE ‘S\_\_l%’**

mysql> select\*

-> from employee

-> where ename LIKE's%l';

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

| eid | ename | salary | designation | city | date |

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

| 102 | sudha patil | 800000 | Software engineer | satara | -1985 |

| 103 | Sonali pol | 1000000 | Database Administrater | satara | -1985 |

| 105 | Shubham Patil | 500000 | Project Manager | sangli | -1987 |

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

3 rows in set (0.00 sec)

**Employee Name LIKE ‘%s%’**

mysql> select\*

-> from employee

-> where ename LIKE'%s%';

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

| eid | ename | salary | designation | city | date |

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

| 101 | Sonal shinde | 500000 | Software Developer | pune | -1985 |

| 102 | sudha patil | 800000 | Software engineer | satara | -1985 |

| 103 | Sonali pol | 1000000 | Database Administrater | satara | -1985 |

| 105 | Shubham Patil | 500000 | Project Manager | sangli | -1987 |

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

4 rows in set (0.00 sec)

**Employee Name LIKE ‘\_\_n\_\_i%’**

mysql> select\*

-> from employee

-> where ename like'\_\_n\_\_i%';

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

| eid | ename | salary | designation | city | date |

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

| 103 | Sonali pol | 1000000 | Database Administrater | satara | -1985 |

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

1 row in set (0.00 sec)

**NOT Examole:-**

mysql> select\*

-> from employee

-> where NOT city='pune';

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

| eid | ename | salary | designation | city | date |

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

| 102 | sudha patil | 800000 | Software engineer | satara | -1985 |

| 103 | Sonali pol | 1000000 | Database Administrater | satara | -1985 |

| 104 | Radha More | 1200000 | UX Designer | kolhapur | -1985 |

| 105 | Shubham Patil | 500000 | Project Manager | sangli | -1987 |

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

4 rows in set (0.00 sec)

**The SQL ORDER BY Keyword:**

**Descending Order**

mysql> select\*

-> from employee

-> ORDER BY city desc;

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

| eid | ename | salary | designation | city | date |

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

| 102 | sudha patil | 800000 | Software engineer | satara | -1985 |

| 103 | Sonali pol | 1000000 | Database Administrater | satara | -1985 |

| 105 | Shubham Patil | 500000 | Project Manager | sangli | -1987 |

| 101 | Sonal shinde | 500000 | Software Developer | pune | -1985 |

| 104 | Radha More | 1200000 | UX Designer | kolhapur | -1985 |

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

5 rows in set (0.00 sec)

mysql>

**Ascending Order:**

mysql> select\*

-> from employee

-> ORDER BY ename asc;

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

| eid | ename | salary | designation | city | date |

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

| 104 | Radha More | 1200000 | UX Designer | kolhapur | -1985 |

| 105 | Shubham Patil | 500000 | Project Manager | sangli | -1987 |

| 101 | Sonal shinde | 500000 | Software Developer | pune | -1985 |

| 103 | Sonali pol | 1000000 | Database Administrater | satara | -1985 |

| 102 | sudha patil | 800000 | Software engineer | satara | -1985 |

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

5 rows in set (0.00 sec)

**1..Display the employee details in desending order.**

mysql> select\*

-> from employee

-> where eid>=104 ORDER BY eid desc;

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

| eid | ename | salary | designation | city | date |

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

| 105 | Shubham Patil | 500000 | Project Manager | sangli | -1987 |

| 104 | Radha More | 1200000 | UX Designer | kolhapur | -1985 |

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

2 rows in set (0.00 sec)

**2.Display the employee details in the eid 104 greater the equal to city and order by ascending.**

mysql> select\*

-> from employee

-> where eid>=104 AND city like 's%' ORDER BY eid;

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

| eid | ename | salary | designation | city | date |

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

| 105 | Shubham Patil | 500000 | Project Manager | sangli | -1987 |

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

1 row in set (0.00 sec)

**3.Display the employee and order by city ascending.**

mysql> select\*

-> from employee

-> ORDER BY city;

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

| eid | ename | salary | designation | city | date |

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

| 104 | Radha More | 1200000 | UX Designer | kolhapur | -1985 |

| 101 | Sonal shinde | 500000 | Software Developer | pune | -1985 |

| 105 | Shubham Patil | 500000 | Project Manager | sangli | -1987 |

| 102 | sudha patil | 800000 | Software engineer | satara | -1985 |

| 103 | Sonali pol | 1000000 | Database Administrater | satara | -1985 |

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

5 rows in set (0.00 sec)

**Que 8: Display name of employee whose name start with sand ends with l and designation is project manager and he/she belong to sangli.**

mysql> SELECT ename FROM employee WHERE ename LIKE 'S%l' AND designation = 'Project Manager' and city in('sangli');

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

| ename |

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

| Shubham Patil |

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

1 row in set (0.00 sec)

**Que 9: Display the details of employee whose email contains .caracter and salary between 1000000 and 1200000 or employee id is either 103,104.**

mysql> SELECT \* FROM employee WHERE (ename LIKE '%.%' AND salary BETWEEN 1000000 AND 1200000) OR eid IN (103, 104);

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

| eid | ename | salary | designation | city | date |

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

| 103 | Sonali pol | 1000000 | Database Administrater | satara | -1985 |

| 104 | Radha More | 1200000 | UX Designer | kolhapur | -1985 |

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

2 rows in set (0.00 sec)

**Que 10: Display name,designation & employee where name having third character is a and ends with t.**

mysql> SELECT ename, designation FROM employee WHERE ename LIKE '\_\_u%l';

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

| ename | designation |

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

| Shubham Patil | Project Manager |

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

1 row in set (0.00 sec)

**Que 10: Display details of employee name in desending order whose contains only five characters.**

mysql> select\*

-> from employee

-> where ename LIKE'Shubham Patil'ORDER BY ename desc;

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

| eid | ename | salary | designation | city | date |

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

| 105 | Shubham Patil | 500000 | Project Manager | sangli | -1987 |

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

1 row in set (0.00 sec)