**Date:19-01-2023**

----------------

create table tablename(fieldname...fieldtype...)

create table employee(emp\_id int, emp\_name varchar(50), emp\_gender char,emp\_department varchar(50),

emp\_salary double(10,4), emp\_company varchar(50), emp\_phone int, emp\_email varchar(100));

insert into tablename (values);

insert into employee values(1, 'Dhanalakshmi Mannem','F','IT',40000.00,'Amazon',995544,

'dhanalakshmi@gmail.com');

insert into employee (emp\_id, emp\_name, emp\_gender, emp\_salary, emp\_department,

emp\_company, emp\_email, emp\_phone) values(2,"charanya",'F',60000.00,'Banking','sbi',

'charanya@gmail.com',5884165);

insert into employee (emp\_id, emp\_name, emp\_gender, emp\_department,emp\_company)

values(3,'Mani','M','IT','techmahindra');

select \* from tablename;

select \* from employee;

select emp\_id,emp\_name from employee;

select emp\_gender from employee;

select \* from employee where emp\_id = 1;

select \* from employee where emp\_department = 'IT';

select \* from employee where emp\_company = 'techmahindra';

select \* from employee where emp\_email = 'dhanalakshmi@gmail.com';

select \* from employee where emp\_name = 'Dhanalakshmi Mannem';

select \* from employee where emp\_name = 'charanya';

select \* from employee where emp\_name = 'Mani';

**Date : 20-01-2023**

-------------------

mysql> use java\_batch4;

Database changed

mysql> show tables;

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

| Tables\_in\_java\_batch4 |

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

| employee |

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

1 row in set (0.00 sec)

mysql> select \* from employee;

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

| emp\_id | emp\_name | emp\_gender | emp\_department | emp\_salary | emp\_company | emp\_phone | emp\_email |

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

| 1 | Dhanalakshmi Mannem | F | IT | 50000.0000 | Amazon | 995544 | dhanalakshmi@gmail.com |

| 2 | charanya | F | Banking | 60000.0000 | sbi | 5884165 | charanya@gmail.com |

| 3 | Mani | F | IT | NULL | techmahindra | NULL | NULL |

| 3 | Mani | M | IT | NULL | techmahindra | NULL | NULL |

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

4 rows in set (0.01 sec)

mysql> update employee set emp\_salary = 10000.00, emp\_phone = 99587, emp\_email = 'mani@gmail.com' where emp\_id = 3;

Query OK, 2 rows affected (0.01 sec)

Rows matched: 2 Changed: 2 Warnings: 0

mysql> select \* from employee;

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

| emp\_id | emp\_name | emp\_gender | emp\_department | emp\_salary | emp\_company | emp\_phone | emp\_email |

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

| 1 | Dhanalakshmi Mannem | F | IT | 50000.0000 | Amazon | 995544 | dhanalakshmi@gmail.com |

| 2 | charanya | F | Banking | 60000.0000 | sbi | 5884165 | charanya@gmail.com |

| 3 | Mani | F | IT | 10000.0000 | techmahindra | 99587 | mani@gmail.com |

| 3 | Mani | M | IT | 10000.0000 | techmahindra | 99587 | mani@gmail.com |

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

4 rows in set (0.00 sec)

mysql> insert into employee values(3,'Mani','M','HR',60000.00,'Infosys',25489,'manihr@gmail.com');

Query OK, 1 row affected (0.00 sec)

mysql> select \* from employee;

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

| emp\_id | emp\_name | emp\_gender | emp\_department | emp\_salary | emp\_company | emp\_phone | emp\_email |

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

| 1 | Dhanalakshmi Mannem | F | IT | 50000.0000 | Amazon | 995544 | dhanalakshmi@gmail.com |

| 2 | charanya | F | Banking | 60000.0000 | sbi | 5884165 | charanya@gmail.com |

| 3 | Mani | F | IT | 10000.0000 | techmahindra | 99587 | mani@gmail.com |

| 3 | Mani | M | IT | 10000.0000 | techmahindra | 99587 | mani@gmail.com |

| 3 | Mani | M | HR | 60000.0000 | Infosys | 25489 | manihr@gmail.com |

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

5 rows in set (0.00 sec)

mysql> update employee set emp\_salary = 10000.00 where emp\_id = 3 and emp\_department = 'HR';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update employee set emp\_name = 'Varsha' where emp\_id = 3 and emp\_phone = 99587;

Query OK, 2 rows affected (0.01 sec)

Rows matched: 2 Changed: 2 Warnings: 0

mysql> select \* from employee;

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

| emp\_id | emp\_name | emp\_gender | emp\_department | emp\_salary | emp\_company | emp\_phone | emp\_email |

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

| 1 | Dhanalakshmi Mannem | F | IT | 50000.0000 | Amazon | 995544 | dhanalakshmi@gmail.com |

| 2 | charanya | F | Banking | 60000.0000 | sbi | 5884165 | charanya@gmail.com |

| 3 | Varsha | F | IT | 10000.0000 | techmahindra | 99587 | mani@gmail.com |

| 3 | Varsha | M | IT | 10000.0000 | techmahindra | 99587 | mani@gmail.com |

| 3 | Mani | M | HR | 10000.0000 | Infosys | 25489 | manihr@gmail.com |

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

5 rows in set (0.00 sec)

mysql> update employee set emp\_salary = 10000.00, where emp\_id = 4 and emp\_department = 'HR';

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'where emp\_id = 4 and emp\_department = 'HR'' at line 1

mysql> update employee set emp\_salary = 10000.00 where emp\_id = 4 and emp\_department = 'HR';

Query OK, 0 rows affected (0.00 sec)

Rows matched: 0 Changed: 0 Warnings: 0

mysql> update employee set emp\_salary = 10000.00 where emp\_id = 2 and emp\_department = 'HR';

Query OK, 0 rows affected (0.00 sec)

Rows matched: 0 Changed: 0 Warnings: 0

mysql> update employee set emp\_salary = 10000.00

-> update employee set emp\_salary = 10000.00;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'update employee set emp\_salary = 10000.00' at line 2

mysql> update employee set emp\_salary = 50000.00;

Query OK, 4 rows affected (0.01 sec)

Rows matched: 5 Changed: 4 Warnings: 0

mysql> delete from employee where emp\_id = 3 and emp\_department = 'IT';

Query OK, 2 rows affected (0.01 sec)

mysql> select \* from employee;

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

| emp\_id | emp\_name | emp\_gender | emp\_department | emp\_salary | emp\_company | emp\_phone | emp\_email |

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

| 1 | Dhanalakshmi Mannem | F | IT | 50000.0000 | Amazon | 995544 | dhanalakshmi@gmail.com |

| 2 | charanya | F | Banking | 50000.0000 | sbi | 5884165 | charanya@gmail.com |

| 3 | Mani | M | HR | 50000.0000 | Infosys | 25489 | manihr@gmail.com |

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

3 rows in set (0.00 sec)

mysql> delete from employee;

Query OK, 3 rows affected (0.00 sec)

mysql> select \* from employee;

Empty set (0.00 sec)

mysql> show tables;

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

| Tables\_in\_java\_batch4 |

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

| employee |

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

1 row in set (0.00 sec)

mysql> drop table employee;

Query OK, 0 rows affected (0.03 sec)

mysql> show tables;

Empty set (0.00 sec)

mysql> create table employee(emp\_id int,emp\_name varchar(50));

Query OK, 0 rows affected (0.03 sec)

mysql> insert into employee values(1, 'Dhana');

Query OK, 1 row affected (0.01 sec)

mysql> insert into employee values(2, 'Charanya');

Query OK, 1 row affected (0.00 sec)

mysql> select \* from employee;

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

| emp\_id | emp\_name |

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

| 1 | Dhana |

| 2 | Charanya |

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

2 rows in set (0.00 sec)

mysql> delete from employee where emp\_id = 2;

Query OK, 1 row affected (0.00 sec)

mysql> select \* from employee;

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

| emp\_id | emp\_name |

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

| 1 | Dhana |

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

1 row in set (0.00 sec)

**21-01-2023**

==============

mysql> show databases;

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

| Database |

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

| information\_schema |

| java\_batch4 |

| mysql |

| performance\_schema |

| sys |

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

5 rows in set (0.00 sec)

mysql> use java\_batch4;

Database changed

mysql> show tables;

Empty set (0.01 sec)

mysql> create table employee (emp\_id int primary key, emp\_name varchar(50),emp\_gender char, emp\_department varchar(50), emp\_salary double(10,4),emp\_company varchar(50), emp\_phone int, emp\_email varchar(100));

Query OK, 0 rows affected, 1 warning (0.03 sec)

mysql> insert into employee values(1,'Dhana','F','IT',50000.00,'Google',998125,'dhana@gmail.com');

Query OK, 1 row affected (0.01 sec)

mysql> insert into employee values(2,'Dhana','F','IT',50000.00,'Google',998125,'dhana@gmail.com');

Query OK, 1 row affected (0.01 sec)

mysql> insert into employee values(1,'Dhana','F','IT',50000.00,'Google',998125,'dhana@gmail.com');

ERROR 1062 (23000): Duplicate entry '1' for key 'employee.PRIMARY'

mysql> select \* from employee;

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

| emp\_id | emp\_name | emp\_gender | emp\_department | emp\_salary | emp\_company | emp\_phone | emp\_email |

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

| 1 | Dhana | F | IT | 50000.0000 | Google | 998125 | dhana@gmail.com |

| 2 | Dhana | F | IT | 50000.0000 | Google | 998125 | dhana@gmail.com |

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

2 rows in set (0.00 sec)

mysql> drop table employee;

Query OK, 0 rows affected (0.02 sec)

mysql> create table employee (emp\_id int primary key, emp\_name varchar(50),emp\_gender char, emp\_department varchar(50), emp\_salary double(10,4),emp\_company varchar(50), emp\_phone int unique, emp\_email varchar(100) unique);

Query OK, 0 rows affected, 1 warning (0.04 sec)

mysql> select \* from employee;

Empty set (0.00 sec)

mysql> insert into employee values(3,'Dhana','F','IT',50000.00,'Google',998125,'dhana@gmail.com');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from employee;

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

| emp\_id | emp\_name | emp\_gender | emp\_department | emp\_salary | emp\_company | emp\_phone | emp\_email |

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

| 3 | Dhana | F | IT | 50000.0000 | Google | 998125 | dhana@gmail.com |

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

1 row in set (0.00 sec)

mysql> insert into employee values(3,'Dhana','F','IT',50000.00,'Google',998125,'dhana@gmail.com');

ERROR 1062 (23000): Duplicate entry '3' for key 'employee.PRIMARY'

mysql> insert into employee values(3,'Dhana','F','IT',50000.00,'Google',998125,'dhana@gmail.com');

ERROR 1062 (23000): Duplicate entry '3' for key 'employee.PRIMARY'

mysql> insert into employee values(3,'Dhana','F','IT',50000.00,'Google',99815,'dhana@gmail.com');

ERROR 1062 (23000): Duplicate entry '3' for key 'employee.PRIMARY'

mysql> insert into employee values(4,'Dhana','F','IT',50000.00,'Google',99815,'dhana@gmail.com');

ERROR 1062 (23000): Duplicate entry 'dhana@gmail.com' for key 'employee.emp\_email'

mysql> insert into employee values(4,'Dhana','F','IT',50000.00,'Google',998125,'dhana@gmail.com');

ERROR 1062 (23000): Duplicate entry '998125' for key 'employee.emp\_phone'

mysql> insert into employee values(4,'Dhana','F','IT',50000.00,'Google',99815,'dhana@gmail.com');

ERROR 1062 (23000): Duplicate entry 'dhana@gmail.com' for key 'employee.emp\_email'

mysql> insert into employee values(4,'Dhana','F','IT',50000.00,'Google',99815,'dhanamannem@gmail.com');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from employee;

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

| emp\_id | emp\_name | emp\_gender | emp\_department | emp\_salary | emp\_company | emp\_phone | emp\_email |

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

| 3 | Dhana | F | IT | 50000.0000 | Google | 998125 | dhana@gmail.com |

| 4 | Dhana | F | IT | 50000.0000 | Google | 99815 | dhanamannem@gmail.com |

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

2 rows in set (0.00 sec)

mysql> insert into employee values(null,'Dhana','F','IT',50000.00,'Google',998125,'dhana@gmail.com');

ERROR 1048 (23000): Column 'emp\_id' cannot be null

mysql> insert into employee values(5,'Dhana','F','IT',50000.00,'Google',null,'dhana@gmail.com');

ERROR 1062 (23000): Duplicate entry 'dhana@gmail.com' for key 'employee.emp\_email'

mysql> insert into employee values(5,'Dhana','F','IT',50000.00,'Google',null,'dhana4@gmail.com');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from employee;

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

| emp\_id | emp\_name | emp\_gender | emp\_department | emp\_salary | emp\_company | emp\_phone | emp\_email |

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

| 3 | Dhana | F | IT | 50000.0000 | Google | 998125 | dhana@gmail.com |

| 4 | Dhana | F | IT | 50000.0000 | Google | 99815 | dhanamannem@gmail.com |

| 5 | Dhana | F | IT | 50000.0000 | Google | NULL | dhana4@gmail.com |

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

3 rows in set (0.00 sec)

mysql> insert into employee values(4,'Dhana','F','IT',50000.00,'Google',null,'dhanamannem5@gmail.com');

ERROR 1062 (23000): Duplicate entry '4' for key 'employee.PRIMARY'

mysql> insert into employee values(6,'Dhana','F','IT',50000.00,'Google',null,'dhanamannem5@gmail.com');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from employee;

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

| emp\_id | emp\_name | emp\_gender | emp\_department | emp\_salary | emp\_company | emp\_phone | emp\_email |

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

| 3 | Dhana | F | IT | 50000.0000 | Google | 998125 | dhana@gmail.com |

| 4 | Dhana | F | IT | 50000.0000 | Google | 99815 | dhanamannem@gmail.com |

| 5 | Dhana | F | IT | 50000.0000 | Google | NULL | dhana4@gmail.com |

| 6 | Dhana | F | IT | 50000.0000 | Google | NULL | dhanamannem5@gmail.com |

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

4 rows in set (0.00 sec)

mysql> drop table employee;

Query OK, 0 rows affected (0.02 sec)

mysql> create table employee (emp\_id int primary key, emp\_name varchar(50) not null,emp\_gender char not null, emp\_department varchar(50) not null, emp\_salary double(10,4) not null, emp\_company varchar(50) not null, emp\_phone int unique not null, emp\_email varchar(100) unique not null);

Query OK, 0 rows affected, 1 warning (0.03 sec)

mysql> insert into employee values(1,'Dhana','F','IT',50000.00,'Google',null,'dhanamannem5@gmail.com');

ERROR 1048 (23000): Column 'emp\_phone' cannot be null

mysql> insert into employee values(1,'Dhana','F','null',50000.00,'Google',99581,'dhanamannem5@gmail.com');

Query OK, 1 row affected (0.04 sec)

mysql> insert into employee values(1,'Dhana','F',null,50000.00,'Google',99581,'dhanamannem5@gmail.com');

ERROR 1048 (23000): Column 'emp\_department' cannot be null

mysql> insert into employee values(1,'Dhana','F','IT', 50000.00,'Google',99581,'dhanamannem5@gmail.com');

ERROR 1062 (23000): Duplicate entry '1' for key 'employee.PRIMARY'

mysql> insert into employee values(2,'Dhana','F','IT', 50000.00,'Google',99581,'dhanamannem5@gmail.com');

ERROR 1062 (23000): Duplicate entry '99581' for key 'employee.emp\_phone'

mysql> insert into employee values(7,'Dhana','F','IT', 50000.00,'Google',99581,'dhanamannem5@gmail.com');

ERROR 1062 (23000): Duplicate entry '99581' for key 'employee.emp\_phone'

mysql> insert into employee values(7,'Dhana','F','IT', 50000.00,'Google',9981,'dhanamannem5@gmail.com');

ERROR 1062 (23000): Duplicate entry 'dhanamannem5@gmail.com' for key 'employee.emp\_email'

mysql> insert into employee values(7,'Dhana','F','IT', 50000.00,'Google',9981,'dhanamannem7@gmail.com');

Query OK, 1 row affected (0.01 sec)

**22-01-23**

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mysql> alter table employee add column (emp\_dob varchar(10), emp\_city varchar(50));

Query OK, 0 rows affected (0.34 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table employee modify column emp\_dob varchar(10) not null;

ERROR 1138 (22004): Invalid use of NULL value

mysql> alter table employee modify column emp\_dob varchar(10) not null;

ERROR 1138 (22004): Invalid use of NULL value

mysql> delete from employee;

Query OK, 1 row affected (0.12 sec)

mysql> alter table employee modify column emp\_dob varchar(10) not null;

Query OK, 0 rows affected (0.44 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table employee modify column emp\_city varchar(50) not null;

Query OK, 0 rows affected (0.36 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table employee drop column emp\_city;

Query OK, 0 rows affected (0.17 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table employee change column emp\_dob emp\_date\_of\_birth varchar(10);

Query OK, 0 rows affected (0.46 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table employee rename employee\_details;

Query OK, 0 rows affected (0.14 sec)

mysql> select \* from employee\_details;

Empty set (0.00 sec)

mysql> insert into employee\_details values(1,'nareshkambala','M',50000.00,'IBM','IT',9988562,'javabatch4@gmail.com','16-07-1992');

Query OK, 1 row affected (0.04 sec)

mysql> insert into employee\_details values(2,'pavan','M',30000.00,'IBM','IT',9786523,'pavan@gmail.com','18-12-'1994');

Query OK, 1 row affected (0.04 sec)

mysql> insert into employee\_details values (3, 'Veerababu', 'M', 25000.00, 'Microsoft', 'IT', 4555668, 'veeru@gmail.com', '15-11-1992');

Query OK, 1 row affected (0.06 sec)

mysql> select \* from employee\_details where emp\_id != 1;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 2 | pavan | M | 30000.00000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 3 | Veerababu | M | 25000.00000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

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

2 rows in set (0.06 sec)

mysql> alter table employee\_details modify emp\_salary bigint;

Query OK, 3 rows affected (0.82 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> insert into employee\_details values (4, 'Vasavi', 'F', 15000.00, 'Amazon', 'IT', 98765432, 'vasavi@gmail.com', '16-12-1999');

Query OK, 1 row affected (0.09 sec)

mysql> insert into employee\_details values (5, 'Dhanalakshmi', 'F', 10000.00, 'Infosys', 'IT', 23456789, 'dhanalakshmi@gmail.com', '16-10-1996');

Query OK, 1 row affected (0.09 sec)

mysql> select \* from employee\_details where emp\_id != 1;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

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

4 rows in set (0.00 sec)

mysql> select \* from employee\_details where emp\_salary <50000;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

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

4 rows in set (0.00 sec)

mysql> select \* from employee\_details where emp\_salary >50000;

Empty set (0.05 sec)

mysql> select \* from employee\_details where emp\_salary between 50000 and 100000;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

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

1 row in set (0.05 sec)

mysql> select \* from employee\_details;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

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

5 rows in set (0.00 sec)

mysql> select \* from employee\_details where emp\_name like 'n%h';

Empty set (0.00 sec)

mysql> select \* from employee\_details where emp\_name like 'n%a';

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

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

1 row in set (0.00 sec)

mysql> select \* from employee\_details where emp\_name like '%na';

Empty set (0.00 sec)

mysql> select \* from employee\_details where emp\_name like 'na%';

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

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

1 row in set (0.00 sec)

mysql> select \* from employee\_details where emp\_name like '%i';

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

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

2 rows in set (0.00 sec)

mysql> select \* from employee\_details where emp\_name like '%an';

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

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

1 row in set (0.00 sec)

mysql> select \* from employee\_details where emp\_name like '%a%';

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

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

5 rows in set (0.00 sec)

mysql> select \* from employee\_details where emp\_name like '%v%';

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

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

3 rows in set (0.00 sec)

mysql> select \* from employee\_details where emp\_id in (1,3,5);

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

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

3 rows in set (0.00 sec)

mysql> select \* from employee\_details where emp\_id in (2,4);

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

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

2 rows in set (0.00 sec)

**24-01-2023**

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mysql> select \* from employee\_details;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

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

5 rows in set (0.58 sec)

mysql> select \* from employee\_details where emp\_salary >=70000 and emp\_department='IT';

Empty set (0.13 sec)

mysql> select \* from employee\_details where emp\_salary >=50000 and emp\_department='IT';

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

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

1 row in set (0.00 sec)

mysql> select \* from employee\_details where emp\_salary >=10000 and emp\_department='IT';

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

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

5 rows in set (0.00 sec)

mysql> select \* from employee\_details where emp\_salary >=10000 and emp\_department='IT' and emp\_gender='M';

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

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

3 rows in set (0.00 sec)

mysql> insert into employee\_details values (6, 'vamsi', 'F', 65000.00, 'LTI', 'HR', 2377689, 'vamsi@gmail.com', '16-8-1997');

Query OK, 1 row affected (0.77 sec)

mysql> delete from employee\_details where emp\_id=6;

Query OK, 1 row affected (0.37 sec)

mysql> insert into employee\_details values (6, 'vamsi', 'M', 65000.00, 'LTI', 'HR', 2377689, 'vamsi@gmail.com', '16-8-1997');

Query OK, 1 row affected (0.04 sec)

mysql> insert into employee\_details values (7, 'Mahesh', 'M', 75000.00, 'TCS', 'Marketing', 2354321, 'Mahesh@gmail.com', '17-8-1997');

Query OK, 1 row affected (0.12 sec)

mysql> select \* from employee\_details where emp\_salary >=10000 and emp\_department='IT' or emp\_department='HR' and emp\_gender='M';

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

| 6 | vamsi | M | 65000 | LTI | HR | 2377689 | vamsi@gmail.com | 16-8-1997 |

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

6 rows in set (0.03 sec)

mysql> select \* from employee\_details where emp\_salary >=10000 and emp\_department='Marketing' or emp\_department='HR' and emp\_gender='M';

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 6 | vamsi | M | 65000 | LTI | HR | 2377689 | vamsi@gmail.com | 16-8-1997 |

| 7 | Mahesh | M | 75000 | TCS | Marketing | 2354321 | Mahesh@gmail.com | 17-8-1997 |

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

2 rows in set (0.00 sec)

mysql> select \* from employee\_details where emp\_salary >50000 and emp\_salary<100000;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 6 | vamsi | M | 65000 | LTI | HR | 2377689 | vamsi@gmail.com | 16-8-1997 |

| 7 | Mahesh | M | 75000 | TCS | Marketing | 2354321 | Mahesh@gmail.com | 17-8-1997 |

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

2 rows in set (0.03 sec)

mysql> select \* from employee\_details where emp\_salary >50000 or emp\_salary<100000;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

| 6 | vamsi | M | 65000 | LTI | HR | 2377689 | vamsi@gmail.com | 16-8-1997 |

| 7 | Mahesh | M | 75000 | TCS | Marketing | 2354321 | Mahesh@gmail.com | 17-8-1997 |

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

7 rows in set (0.00 sec)

mysql> select \* from employee\_details where emp\_salary >70000 or emp\_salary<100000;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

| 6 | vamsi | M | 65000 | LTI | HR | 2377689 | vamsi@gmail.com | 16-8-1997 |

| 7 | Mahesh | M | 75000 | TCS | Marketing | 2354321 | Mahesh@gmail.com | 17-8-1997 |

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

7 rows in set (0.00 sec)

mysql> select \* from employee\_details where emp\_salary >70000 or emp\_salary<50000;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

| 7 | Mahesh | M | 75000 | TCS | Marketing | 2354321 | Mahesh@gmail.com | 17-8-1997 |

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

5 rows in set (0.00 sec)

mysql> select \* from employee\_details where emp\_salary >70000 or emp\_salary<50000 and not emp\_gender='M';

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

| 7 | Mahesh | M | 75000 | TCS | Marketing | 2354321 | Mahesh@gmail.com | 17-8-1997 |

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

3 rows in set (0.06 sec)

mysql> select \* from employee\_details order by emp\_name;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

| 7 | Mahesh | M | 75000 | TCS | Marketing | 2354321 | Mahesh@gmail.com | 17-8-1997 |

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 6 | vamsi | M | 65000 | LTI | HR | 2377689 | vamsi@gmail.com | 16-8-1997 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

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

7 rows in set (0.10 sec)

mysql> select \* from employee\_details order by emp\_salary;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

| 6 | vamsi | M | 65000 | LTI | HR | 2377689 | vamsi@gmail.com | 16-8-1997 |

| 7 | Mahesh | M | 75000 | TCS | Marketing | 2354321 | Mahesh@gmail.com | 17-8-1997 |

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

7 rows in set (0.00 sec)

mysql> select \* from employee\_details order by emp\_name desc;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 6 | vamsi | M | 65000 | LTI | HR | 2377689 | vamsi@gmail.com | 16-8-1997 |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

| 7 | Mahesh | M | 75000 | TCS | Marketing | 2354321 | Mahesh@gmail.com | 17-8-1997 |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

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

7 rows in set (0.00 sec)

mysql> select \* from employee\_details order by emp\_salary desc;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 7 | Mahesh | M | 75000 | TCS | Marketing | 2354321 | Mahesh@gmail.com | 17-8-1997 |

| 6 | vamsi | M | 65000 | LTI | HR | 2377689 | vamsi@gmail.com | 16-8-1997 |

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 |

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

7 rows in set (0.00 sec)

mysql> select \* from employee\_details where emp\_salary >50000 and emp\_department='IT';

Empty set (0.00 sec)

mysql> select \* from employee\_details where emp\_salary > 20000 and emp\_department='IT';

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 |

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

3 rows in set (0.00)sec

mysql> alter table employee\_details add column(city varchar(50));

Query OK, 0 rows affected (0.89 sec)

Records: 0 Duplicates: 0 Warnings: 0

UPDATE `java\_batch4`.`employee\_details` SET `city` = 'Hyderabad' WHERE (`emp\_id` = '1');

UPDATE `java\_batch4`.`employee\_details` SET `city` = 'Guntur' WHERE (`emp\_id` = '2');

UPDATE `java\_batch4`.`employee\_details` SET `city` = 'Vijayawada' WHERE (`emp\_id` = '3');

UPDATE `java\_batch4`.`employee\_details` SET `city` = 'Vishakapatnam' WHERE (`emp\_id` = '4');

UPDATE `java\_batch4`.`employee\_details` SET `city` = 'bangalore' WHERE (`emp\_id` = '5');

UPDATE `java\_batch4`.`employee\_details` SET `city` = 'bangalore' WHERE (`emp\_id` = '6');

UPDATE `java\_batch4`.`employee\_details` SET `city` = 'Hyderabad' WHERE (`emp\_id` = '7');

select \* from employee\_details;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth | city |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 | Hyderabad |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 | Guntur |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 | Vijayawada |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 | Vishakapatnam |

| 5 | Dhanalakshmi | F | 10000 | Infosys | IT | 23456789 | dhanalakshmi@gmail.com | 16-10-1996 | bangalore |

| 6 | vamsi | M | 65000 | LTI | HR | 2377689 | vamsi@gmail.com | 16-8-1997 | bangalore |

| 7 | Mahesh | M | 75000 | TCS | Marketing | 2354321 | Mahesh@gmail.com | 17-8-1997 | Hyderabad |

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

7 rows in set (0.00 sec)

mysql> select \* from employee\_details limit 1;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth | city |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 | Hyderabad |

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

1 row in set (0.06 sec)

mysql> select \* from employee\_details limit 2;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth | city |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 | Hyderabad |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 | Guntur |

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

2 rows in set (0.00 sec)

mysql> select \* from employee\_details limit 3;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth | city |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 | Hyderabad |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 | Guntur |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 | Vijayawada |

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

3 rows in set (0.00 sec)

mysql> select \* from employee\_details limit 4;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth | city |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 | Hyderabad |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 | Guntur |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 | Vijayawada |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 | Vishakapatnam |

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

4 rows in set (0.00 sec)

mysql> select \* from employee\_details where emp\_department='IT' limit 4;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth | city |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 | Hyderabad |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 | Guntur |

| 3 | Veerababu | M | 25000 | Microsoft | IT | 4555668 | veeru@gmail.com | 15-11-1992 | Vijayawada |

| 4 | Vasavi | F | 15000 | Amazon | IT | 98765432 | vasavi@gmail.com | 16-12-1999 | Vishakapatnam |

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

4 rows in set (0.05 sec)

mysql> select \* from employee\_details where emp\_department='IT' limit 2;

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

| emp\_id | emp\_name | emp\_gender | emp\_salary | emp\_company | emp\_department | emp\_phone | emp\_email | emp\_date\_of\_birth | city |

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

| 1 | nareshkambala | M | 50000 | IBM | IT | 9988562 | javabatch4@gmail.com | 16-07-1992 | Hyderabad |

| 2 | pavan | M | 30000 | IBM | IT | 9786523 | pavan@gmail.com | 18-12-1994 | Guntur |

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

2 rows in set (0.00 sec)

mysql> select count(emp\_id) from employee\_details;

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

| count(emp\_id) |

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

| 7 |

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

1 row in set (0.14 sec)

mysql> select count(emp\_id), city from employee\_details group by city;

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

| count(emp\_id) | city |

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

| 2 | Hyderabad |

| 1 | Guntur |

| 1 | Vijayawada |

| 1 | Vishakapatnam |

| 2 | bangalore |

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

5 rows in set (0.07 sec)

mysql> select count(emp\_id), emp\_department from employee\_details group by emp\_department;

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

| count(emp\_id) | emp\_department |

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

| 5 | IT |

| 1 | HR |

| 1 | Marketing |

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

3 rows in set (0.00 sec)

mysql> select city, max(emp\_salary) from employee\_details group by city;

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

| city | max(emp\_salary) |

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

| Hyderabad | 75000 |

| Guntur | 30000 |

| Vijayawada | 25000 |

| Vishakapatnam | 15000 |

| bangalore | 65000 |

**25-01-2023**

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mysql> use java\_batch4;

Database changed

mysql> select \* from employee5;

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

| emp5\_id | emp5\_name | emp5\_gender | emp5\_department | emp5\_salary | emp5\_company | emp5\_phone | emp5\_email | emp5\_city | emp5\_dob |

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

| 1 | Dhana | F | IT | 50000.0000 | Google | 998125 | dhana@gmail.com | Guntur | -1981 |

| 2 | Vasavi | F | IT | 40000.0000 | Amazon | 99815 | vasavi@gmail.com | Vizag | -1995 |

| 3 | Pavan | M | HR | 45000.0000 | IBM | 9815 | pavan@gmail.com | Hyd | -1993 |

| 4 | Veerababu | M | Manager | 55000.0000 | Techmahindra | 98125 | veerababu@gmail.com | Guntur | -1994 |

| 5 | Naresh | M | IT | 70000.0000 | IBM | 98325 | naresh@gmail.com | Hyderabad | -1983 |

| 6 | Vamsi | M | HR | 60000.0000 | Infosys | 93325 | vamsi@gmail.com | Chennai | -1995 |

| 7 | Mani | M | IT | 70000.0000 | Gurdian | 98125 | mani@gmail.com | Chennai | -1991 |

| 8 | Varsha | F | TL | 30000.0000 | Amazon | 90125 | varsha@gmail.com | Bangalore | -1988 |

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

8 rows in set (0.00 sec)

mysql> select emp5\_salary, emp5\_city, emp5\_name from employee5 where emp5\_salary = (select max(emp5\_salary) from employee5 where emp5\_city = 'Guntur') and emp5\_city = 'Guntur';

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

| emp5\_salary | emp5\_city | emp5\_name |

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

| 55000.0000 | Guntur | Veerababu |

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

1 row in set (0.01 sec)

mysql> select max(emp5\_salary) from employee5 where emp5\_city = 'Guntur';

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

| max(emp5\_salary) |

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

| 55000.0000 |

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

1 row in set (0.00 sec)

mysql> select emp5\_salary,emp5\_city, emp5\_name from employee5 where emp5\_salary = 50000;

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

| emp5\_salary | emp5\_city | emp5\_name |

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

| 50000.0000 | Guntur | Dhana |

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

1 row in set (0.00 sec)

mysql> select emp5\_salary,emp5\_city, emp5\_name from employee5 where emp5\_salary = 50000 and city = 'Guntur';

ERROR 1054 (42S22): Unknown column 'city' in 'where clause'

mysql> select emp5\_salary,emp5\_city, emp5\_name from employee5 where emp5\_salary = 50000 and emp5\_city = 'Guntur';

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

| emp5\_salary | emp5\_city | emp5\_name |

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

| 50000.0000 | Guntur | Dhana |

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

1 row in set (0.00 sec)

mysql> select emp5\_salary, emp5\_city, emp5\_name from employee5 where emp5\_salary = (select min(emp5\_salary) from employee5 where emp5\_city = 'Guntur') and emp5\_city = 'Guntur';

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

| emp5\_salary | emp5\_city | emp5\_name |

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

| 50000.0000 | Guntur | Dhana |

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

1 row in set (0.00 sec)

mysql> select emp5\_salary, emp5\_city, emp5\_name from employee5 where emp5\_salary = (select min(emp5\_salary) from employee5 where emp5\_city = 'Guntur') and emp5\_city = 'Hyderabad';

Empty set (0.00 sec)

mysql> select count(\*) from employee5;

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

| count(\*) |

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

| 8 |

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

1 row in set (0.01 sec)

mysql> select count(\*) from employee5 where emp5\_city = 'Guntur';

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

| count(\*) |

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

| 2 |

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

1 row in set (0.00 sec)

mysql> select count(\*) from employee5 where emp5\_city = 'Hyd';

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

| count(\*) |

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

| 1 |

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

1 row in set (0.00 sec)

mysql> select count(\*) from employee5 where emp5\_city = 'Chennai';

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

| count(\*) |

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

| 2 |

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

1 row in set (0.00 sec)

mysql> select count(\*) from employee5 where emp5\_city = 'Bangalore';

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

| count(\*) |

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

| 1 |

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

1 row in set (0.00 sec)

mysql> select sum(emp5\_salary) from employee5 where emp5\_city = 'Guntur';

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

| sum(emp5\_salary) |

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

| 105000.0000 |

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

1 row in set (0.01 sec)

mysql> select sum(emp5\_salary) from employee5 where emp5\_city = 'Hyd';

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

| sum(emp5\_salary) |

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

| 45000.0000 |

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

1 row in set (0.00 sec)

mysql> select max(emp5\_salary) from employee5 where emp5\_city = 'Guntur';

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

| max(emp5\_salary) |

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

| 55000.0000 |

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

1 row in set (0.00 sec)

mysql> select max(emp5\_salary) from employee5;

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

| max(emp5\_salary) |

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

| 70000.0000 |

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

1 row in set (0.00 sec)

mysql> select min(emp5\_salary) from employee5;

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

| min(emp5\_salary) |

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

| 30000.0000 |

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

1 row in set (0.00 sec)

mysql> select max(emp5\_salary), emp5\_name from employee5;

ERROR 1140 (42000): In aggregated query without GROUP BY, expression #2 of SELECT list contains nonaggregated column 'java\_batch4.employee5.emp5\_name'; this is incompatible with sql\_mode=only\_full\_group\_by

mysql> select avg(emp5\_salary) from employee5;

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

| avg(emp5\_salary) |

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

| 52500.00000000 |

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

1 row in set (0.00 sec)

mysql> select distinct emp5\_city from employee5;

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

| emp5\_city |

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

| Guntur |

| Vizag |

| Hyd |

| Hyderabad |

| Chennai |

| Bangalore |

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

6 rows in set (0.01 sec)

mysql> select emp5\_city from employee5;

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

| emp5\_city |

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

| Guntur |

| Vizag |

| Hyd |

| Guntur |

| Hyderabad |

| Chennai |

| Chennai |

| Bangalore |

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

8 rows in set (0.00 sec)

mysql> select emp5\_company from employee5;

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

| emp5\_company |

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

| Google |

| Amazon |

| IBM |

| Techmahindra |

| IBM |

| Infosys |

| Gurdian |

| Amazon |

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

8 rows in set (0.00 sec)

mysql> select distinct emp5\_company from employee5;

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

| emp5\_company |

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

| Google |

| Amazon |

| IBM |

| Techmahindra |

| Infosys |

| Gurdian |

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

6 rows in set (0.00 sec)

mysql> alter table employee5 modify column emp5\_id int auto\_increment;

Query OK, 8 rows affected (0.06 sec)

Records: 8 Duplicates: 0 Warnings: 0

mysql> select \* from employee5;

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

| emp5\_id | emp5\_name | emp5\_gender | emp5\_department | emp5\_salary | emp5\_company | emp5\_phone | emp5\_email | emp5\_city | emp5\_dob |

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

| 1 | Dhana | F | IT | 50000.0000 | Google | 998125 | dhana@gmail.com | Guntur | -1981 |

| 2 | Vasavi | F | IT | 40000.0000 | Amazon | 99815 | vasavi@gmail.com | Vizag | -1995 |

| 3 | Pavan | M | HR | 45000.0000 | IBM | 9815 | pavan@gmail.com | Hyd | -1993 |

| 4 | Veerababu | M | Manager | 55000.0000 | Techmahindra | 98125 | veerababu@gmail.com | Guntur | -1994 |

| 5 | Naresh | M | IT | 70000.0000 | IBM | 98325 | naresh@gmail.com | Hyderabad | -1983 |

| 6 | Vamsi | M | HR | 60000.0000 | Infosys | 93325 | vamsi@gmail.com | Chennai | -1995 |

| 7 | Mani | M | IT | 70000.0000 | Gurdian | 98125 | mani@gmail.com | Chennai | -1991 |

| 8 | Varsha | F | TL | 30000.0000 | Amazon | 90125 | varsha@gmail.com | Bangalore | -1988 |

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

8 rows in set (0.00 sec)

mysql> insert into employee5 (emp5\_name, emp5\_gender, emp5\_salary, emp5\_company, emp5\_department, emp5\_phone, emp5\_email, emp5\_dob, emp5\_city) values ('Charanya','F',90000.00,'IBM','IT',99556,'charri@gmail.com','18-7-2021','Hyd');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from employee5;

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

| emp5\_id | emp5\_name | emp5\_gender | emp5\_department | emp5\_salary | emp5\_company | emp5\_phone | emp5\_email | emp5\_city | emp5\_dob |

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

| 1 | Dhana | F | IT | 50000.0000 | Google | 998125 | dhana@gmail.com | Guntur | -1981 |

| 2 | Vasavi | F | IT | 40000.0000 | Amazon | 99815 | vasavi@gmail.com | Vizag | -1995 |

| 3 | Pavan | M | HR | 45000.0000 | IBM | 9815 | pavan@gmail.com | Hyd | -1993 |

| 4 | Veerababu | M | Manager | 55000.0000 | Techmahindra | 98125 | veerababu@gmail.com | Guntur | -1994 |

| 5 | Naresh | M | IT | 70000.0000 | IBM | 98325 | naresh@gmail.com | Hyderabad | -1983 |

| 6 | Vamsi | M | HR | 60000.0000 | Infosys | 93325 | vamsi@gmail.com | Chennai | -1995 |

| 7 | Mani | M | IT | 70000.0000 | Gurdian | 98125 | mani@gmail.com | Chennai | -1991 |

| 8 | Varsha | F | TL | 30000.0000 | Amazon | 90125 | varsha@gmail.com | Bangalore | -1988 |

| 9 | Charanya | F | IT | 90000.0000 | IBM | 99556 | charri@gmail.com | Hyd | 18-7-2021 |

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

9 rows in set (0.00 sec)

mysql> select distinct emp5\_city as emp5\_cityname from employee5;

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

| emp5\_cityname |

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

| Guntur |

| Vizag |

| Hyd |

| Hyderabad |

| Chennai |

| Bangalore |

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

6 rows in set (0.01 sec)