Welcome to the MySQL monitor.  Commands end with ; or \g.

Your MySQL connection id is 20

Server version: 8.0.34 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

**mysql> create database company;**

Query OK, 1 row affected (0.01 sec)

**mysql> show databases;**

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

| Database           |

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

| company            |

| information\_schema |

| mysql              |

| performance\_schema |

| sakila             |

| sys                |

| world              |

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

7 rows in set (0.00 sec)

**mysql> use company;**

Database changed

**mysql> create table customer(cust\_id int(10) primary key, cust\_name varchar(20), product varchar(20),quantity int(5),total\_price int(5));**

Query OK, 0 rows affected, 3 warnings (0.02 sec)

**mysql> desc customer;**

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

| Field       | Type        | Null | Key | Default | Extra |

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

| cust\_id     | int         | NO   | PRI | NULL    |       |

| cust\_name   | varchar(20) | YES  |     | NULL    |       |

| product     | varchar(20) | YES  |     | NULL    |       |

| quantity    | int         | YES  |     | NULL    |       |

| total\_price | int         | YES  |     | NULL    |       |

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

5 rows in set (0.00 sec)

**mysql> alter table customer modify cust\_id int auto\_increment;**

Query OK, 0 rows affected (0.02 sec)

Records: 0  Duplicates: 0  Warnings: 0

**mysql> select \* from customer;**

Empty set (0.00 sec)

**mysql> insert into customer values (1,"Shreeya","pens",10,100);**

Query OK, 1 row affected (0.01 sec)

mysql> select \* from customer;

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

| cust\_id | cust\_name | product | quantity | total\_price |

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

|       1 | Shreeya   | pens    |       10 |         100 |

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

1 row in set (0.00 sec)

**mysql> insert into customer values (2,"Rajasi","pencils",10,50);**

Query OK, 1 row affected (0.00 sec)

**mysql> insert into customer values (cust\_id,"Aditya","ruler",3,30);**

Query OK, 1 row affected (0.01 sec)

**mysql> insert into customer values (cust\_id,"Ishan","erasers",5,10);**

Query OK, 1 row affected (0.01 sec)

**mysql> select \* from customer;**

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

| cust\_id | cust\_name | product | quantity | total\_price |

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

|       1 | Shreeya   | pens    |       10 |         100 |

|       2 | Rajasi    | pencils |       10 |          50 |

|       3 | Aditya    | ruler   |        3 |          30 |

|       4 | Ishan     | erasers |        5 |          10 |

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

4 rows in set (0.00 sec)

**mysql> insert into customer values (cust\_id,"Nishita","sharpners",2,5);**

Query OK, 1 row affected (0.01 sec)

**mysql> select \* from customer;**

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

| cust\_id | cust\_name | product   | quantity | total\_price |

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

|       1 | Shreeya   | pens      |       10 |         100 |

|       2 | Rajasi    | pencils   |       10 |          50 |

|       3 | Aditya    | ruler     |        3 |          30 |

|       4 | Ishan     | erasers   |        5 |          10 |

|       5 | Nishita   | sharpners |        2 |           5 |

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

5 rows in set (0.00 sec)

**mysql> alter table customer add price\_per\_qty int(10);**

Query OK, 0 rows affected, 1 warning (0.01 sec)

Records: 0  Duplicates: 0  Warnings: 1

**mysql> desc customer;**

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

| Field         | Type        | Null | Key | Default | Extra          |

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

| cust\_id       | int         | NO   | PRI | NULL    | auto\_increment |

| cust\_name     | varchar(20) | YES  |     | NULL    |                |

| product       | varchar(20) | YES  |     | NULL    |                |

| quantity      | int         | YES  |     | NULL    |                |

| total\_price   | int         | YES  |     | NULL    |                |

| price\_per\_qty | int         | YES  |     | NULL    |                |

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

6 rows in set (0.00 sec)

**mysql> update customer set price\_per\_qty=10 where cust\_id=1;**

Query OK, 1 row affected (0.00 sec)

Rows matched: 1  Changed: 1  Warnings: 0

**mysql> update customer set price\_per\_qty=5 where cust\_id=2;**

Query OK, 1 row affected (0.01 sec)

Rows matched: 1  Changed: 1  Warnings: 0

**mysql> update customer set price\_per\_qty=10 where cust\_id=3;**

Query OK, 1 row affected (0.01 sec)

Rows matched: 1  Changed: 1  Warnings: 0

**mysql> update customer set price\_per\_qty=2 where cust\_id=4;**

Query OK, 1 row affected (0.00 sec)

Rows matched: 1  Changed: 1  Warnings: 0

**mysql> select \* from customer;**

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

| cust\_id | cust\_name | product   | quantity | total\_price | price\_per\_qty |

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

|       1 | Shreeya   | pens      |       10 |         100 |            10 |

|       2 | Rajasi    | pencils   |       10 |          50 |             5 |

|       3 | Aditya    | ruler     |        3 |          30 |            10 |

|       4 | Ishan     | erasers   |        5 |          10 |             2 |

|       5 | Nishita   | sharpners |        2 |           5 |          NULL |

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

5 rows in set (0.00 sec)

**mysql> create view cust\_view as select cust\_id,cust\_name from customer;**

Query OK, 0 rows affected (0.01 sec)

**mysql> select \* from cust\_view;**

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

| cust\_id | cust\_name |

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

|       1 | Shreeya   |

|       2 | Rajasi    |

|       3 | Aditya    |

|       4 | Ishan     |

|       5 | Nishita   |

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

5 rows in set (0.00 sec)

**mysql> create or replace view cust\_view as select cust\_id,product,total\_price from customer;**

Query OK, 0 rows affected (0.00 sec)

**mysql> select \* from cust\_view;**

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

| cust\_id | product   | total\_price |

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

|       1 | pens      |         100 |

|       2 | pencils   |          50 |

|       3 | ruler     |          30 |

|       4 | erasers   |          10 |

|       5 | sharpners |           5 |

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

5 rows in set (0.00 sec)

**mysql> drop view cust\_view;**

Query OK, 0 rows affected (0.00 sec)

**mysql> create index cust\_index on customer(cust\_name);**

Query OK, 0 rows affected (0.03 sec)

Records: 0  Duplicates: 0  Warnings: 0

**mysql> desc customer;**

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

| Field         | Type        | Null | Key | Default | Extra          |

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

| cust\_id       | int         | NO   | PRI | NULL    | auto\_increment |

| cust\_name     | varchar(20) | YES  | MUL | NULL    |                |

| product       | varchar(20) | YES  |     | NULL    |                |

| quantity      | int         | YES  |     | NULL    |                |

| total\_price   | int         | YES  |     | NULL    |                |

| price\_per\_qty | int         | YES  |     | NULL    |                |

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

6 rows in set (0.00 sec)

**mysql> select \* from customer;**

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

| cust\_id | cust\_name | product   | quantity | total\_price | price\_per\_qty |

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

|       1 | Shreeya   | pens      |       10 |         100 |            10 |

|       2 | Rajasi    | pencils   |       10 |          50 |             5 |

|       3 | Aditya    | ruler     |        3 |          30 |            10 |

|       4 | Ishan     | erasers   |        5 |          10 |             2 |

|       5 | Nishita   | sharpners |        2 |           5 |          NULL |

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

5 rows in set (0.00 sec)

**mysql> show indexes from customer;**

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

| Table    | Non\_unique | Key\_name   | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment | Visible | Expression |

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

| customer |          0 | PRIMARY    |            1 | cust\_id     | A         |           5 |     NULL |   NULL |      | BTREE      |         |               | YES     | NULL       |

| customer |          1 | cust\_index |            1 | cust\_name   | A         |           5 |     NULL |   NULL | YES  | BTREE      |         |               | YES     | NULL       |

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

2 rows in set (0.00 sec)

**mysql> drop index cust\_index on customer;**

Query OK, 0 rows affected (0.01 sec)

Records: 0  Duplicates: 0  Warnings: 0

**mysql> rename table customer to cust;**

Query OK, 0 rows affected (0.01 sec)

**mysql> select \* from cust;**

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

| cust\_id | cust\_name | product   | quantity | total\_price | price\_per\_qty |

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

|       1 | Shreeya   | pens      |       10 |         100 |            10 |

|       2 | Rajasi    | pencils   |       10 |          50 |             5 |

|       3 | Aditya    | ruler     |        3 |          30 |            10 |

|       4 | Ishan     | erasers   |        5 |          10 |             2 |

|       5 | Nishita   | sharpners |        2 |           5 |          NULL |

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

5 rows in set (0.00 sec)

**mysql> drop table cust;**

Query OK, 0 rows affected (0.02 sec)

**mysql> select \* from cust;**

ERROR 1146 (42S02): Table 'company.cust' doesn't exist