**DBMS – ASSIGNMENT – 2A**

Enter password: \*\*\*\*\*\*\*\*

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

Your MySQL connection id is 25

Server version: 8.0.29 MySQL Community Server - GPL

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

mysql> mysql -u root -p;

mysql> show databases;

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

| Database |

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

| dbms |

| information\_schema |

| mysql |

| performance\_schema |

| sys |

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

5 rows in set (0.00 sec)

mysql> use dbms;

Database changed

mysql> CREATE TABLE CUSTOMER(cust\_id int(5) AUTO\_INCREMENT, cust\_name char(20), product char(20), quantity int(5), total\_price int(5), PRIMARY KEY(cust\_id));

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

mysql> describe CUSTOMER;

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

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

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

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

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

| product | char(20) | YES | | NULL | |

| quantity | int | YES | | NULL | |

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

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

5 rows in set (0.00 sec)

mysql> insert into CUSTOMER values(NULL,'Vedant','iPhone',1,70000);

Query OK, 1 row affected (0.00 sec)

mysql> select\*from CUSTOMER;

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

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

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

| 1 | Vedant | iPhone | 1 | 70000 |

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

1 row in set (0.00 sec)

mysql> insert into CUSTOMER values(NULL,'Vinayak','Macbook',3,100000),(NULL,'Soham','iWatch',5,50000),(NULL,'Prathamesh','Airpods',3,30000),(NULL,'Atharva','iPad',7,150000);

Query OK, 4 rows affected (0.00 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> select\*from CUSTOMER;

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

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

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

| 1 | Vedant | iPhone | 1 | 70000 |

| 2 | Vinayak | Macbook | 3 | 100000 |

| 3 | Soham | iWatch | 5 | 50000 |

| 4 | Prathamesh | Airpods | 3 | 30000 |

| 5 | Atharva | iPad | 7 | 150000 |

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

5 rows in set (0.00 sec)

mysql> ALTER table CUSTOMER ADD description char(30);

Query OK, 0 rows affected (0.02 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 | char(20) | YES | | NULL | |

| product | char(20) | YES | | NULL | |

| quantity | int | YES | | NULL | |

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

| description | char(30) | YES | | NULL | |

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

6 rows in set (0.00 sec)

mysql> SELECT \* from CUSTOMER;

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

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

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

| 1 | Vedant | iPhone | 1 | 70000 | NULL |

| 2 | Vinayak | Macbook | 3 | 100000 | NULL |

| 3 | Soham | iWatch | 5 | 50000 | NULL |

| 4 | Prathamesh | Airpods | 3 | 30000 | NULL |

| 5 | Atharva | iPad | 7 | 150000 | NULL |

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

5 rows in set (0.00 sec)

mysql> CREATE VIEW cust\_view AS select cust\_id,cust\_name from CUSTOMER where product ='Macbook';

Query OK, 0 rows affected (0.01 sec)

mysql> select \* from cust\_view;

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

| cust\_id | cust\_name |

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

| 2 | Vinayak |

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

1 row in set (0.00 sec)

mysql> insert into cust\_view Value(6,'Pratik');

Query OK, 1 row affected (0.00 sec)

mysql> select \* from customer;

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

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

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

| 1 | Vedant | iPhone | 1 | 70000 | NULL |

| 2 | Vinayak | Macbook | 3 | 100000 | NULL |

| 3 | Soham | iWatch | 5 | 50000 | NULL |

| 4 | Prathamesh | Airpods | 3 | 30000 | NULL |

| 5 | Atharva | iPad | 7 | 150000 | NULL |

| 6 | Pratik | NULL | NULL | NULL | NULL |

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

6 rows in set (0.00 sec)

mysql> select \* from cust\_view;

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

| cust\_id | cust\_name |

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

| 2 | Vinayak |

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

1 row in set (0.00 sec)

mysql> ALTER table customer modify quantity int(20);

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

Records: 0 Duplicates: 0 Warnings: 1

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

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> show index 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\_id | A | 5 | NULL | NULL | | BTREE | | | YES | NULL |

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

2 rows in set (0.01 sec)

mysql> delete from customer where quantity=NULL;

Query OK, 0 rows affected (0.00 sec)

mysql> select \* from customer;

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

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

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

| 1 | Vedant | iPhone | 1 | 70000 | NULL |

| 2 | Vinayak | Macbook | 3 | 100000 | NULL |

| 3 | Soham | iWatch | 5 | 50000 | NULL |

| 4 | Prathamesh | Airpods | 3 | 30000 | NULL |

| 5 | Atharva | iPad | 7 | 150000 | NULL |

| 6 | Pratik | NULL | NULL | NULL | NULL |

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

6 rows in set (0.00 sec)

mysql> delete from customer where cust\_name='Pratik';

Query OK, 1 row affected (0.00 sec)

mysql> select \* from customer;

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

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

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

| 1 | Vedant | iPhone | 1 | 70000 | NULL |

| 2 | Vinayak | Macbook | 3 | 100000 | NULL |

| 3 | Soham | iWatch | 5 | 50000 | NULL |

| 4 | Prathamesh | Airpods | 3 | 30000 | NULL |

| 5 | Atharva | iPad | 7 | 150000 | NULL |

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

5 rows in set (0.00 sec)

mysql> DROP VIEW cust\_view;

Query OK, 0 rows affected (0.01 sec)

mysql> DROP INDEX custindex ON CUSTOMER;

Query OK, 0 rows affected (0.00 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> DROP TABLE CUSTOMER;

Query OK, 0 rows affected (0.00 sec)