**Coding Practice – 30/5/2023**

mysql> select \* from prod\_det;

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

| pid | pname | price |

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

| 1 | Redmi | 32999.50 |

| 2 | Samsung DX | 15550.00 |

| 3 | Iphone | 120999.90 |

| 4 | Nokia | 13000.00 |

| 5 | Lenovo | 23555.55 |

| 6 | Real me | 12000.50 |

| 7 | Samsung | 12000.00 |

| 8 | Oppo | 13000.00 |

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

8 rows in set (0.00 sec)

mysql> select \* from cus\_det;

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

| cid | cname | address | pid |

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

| c001 | Rahul.S | Mysore | 2 |

| c002 | Prem.A | chennai | 3 |

| c003 | Harini | Bengaluru | 6 |

| c004 | Anitha | chennai | 3 |

| c005 | Kumar | Coimbatore | 7 |

| c015 | Abdul | Trichy | 2 |

| c023 | James | Bengaluru | 4 |

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

7 rows in set (0.00 sec)

mysql> select \* from bill;

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

| bid | dob | pid | cid | netprice |

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

| 701 | 2023-02-12 | 2 | c001 | 16555.55 |

| 721 | 2023-03-05 | 3 | c002 | 121000.55 |

| 727 | 2023-04-15 | 2 | c015 | 16000.55 |

| 756 | 2023-01-20 | 3 | c004 | 121000.55 |

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

4 rows in set (0.00 sec)

**INNER JOIN**

**mysql> select cus\_det.cname,prod\_det.pname,prod\_det.price,cus\_det.address from prod\_det inner join cus\_det on prod\_det.pid = cus\_det.pid;**

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

| cname | pname | price | address |

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

| Rahul.S | Samsung DX | 15550.00 | Mysore |

| Prem.A | Iphone | 120999.90 | chennai |

| Harini | Real me | 12000.50 | Bengaluru |

| Anitha | Iphone | 120999.90 | chennai |

| Kumar | Samsung | 12000.00 | Coimbatore |

| Abdul | Samsung DX | 15550.00 | Trichy |

| James | Nokia | 13000.00 | Bengaluru |

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

7 rows in set (0.00 sec)

**mysql> select c.cname,p.pname,c.address,b.bid,b.dob,b.netprice from prod\_det as p inner join cus\_det as c on p.pid = c.pid inner join bill as b on c.cid = b.cid;**

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

| cname | pname | address | bid | dob | netprice |

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

| Rahul.S | Samsung DX | Mysore | 701 | 2023-02-12 | 16555.55 |

| Prem.A | Iphone | chennai | 721 | 2023-03-05 | 121000.55 |

| Abdul | Samsung DX | Trichy | 727 | 2023-04-15 | 16000.55 |

| Anitha | Iphone | chennai | 756 | 2023-01-20 | 121000.55 |

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

4 rows in set (0.04 sec)

**RIGHT JOIN**

**mysql> select p.pid,p.pname,p.price,c.cname,c.address from cus\_det as c right join prod\_det as p on c.pid = p.pid;**

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

| pid | pname | price | cname | address |

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

| 1 | Redmi | 32999.50 | NULL | NULL |

| 2 | Samsung DX | 15550.00 | Rahul.S | Mysore |

| 2 | Samsung DX | 15550.00 | Abdul | Trichy |

| 3 | Iphone | 120999.90 | Prem.A | chennai |

| 3 | Iphone | 120999.90 | Anitha | chennai |

| 4 | Nokia | 13000.00 | James | Bengaluru |

| 5 | Lenovo | 23555.55 | NULL | NULL |

| 6 | Real me | 12000.50 | Harini | Bengaluru |

| 7 | Samsung | 12000.00 | Kumar | Coimbatore |

| 8 | Oppo | 13000.00 | NULL | NULL |

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

10 rows in set (0.00 sec)

**LEFT JOIN**

**mysql> select c.cname,c.address,b.bid,b.dob,b.netprice from cus\_det as c left join bill as b on c.cid = b.cid;**

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

| cname | address | bid | dob | netprice |

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

| Rahul.S | Mysore | 701 | 2023-02-12 | 16555.55 |

| Prem.A | chennai | 721 | 2023-03-05 | 121000.55 |

| Harini | Bengaluru | NULL | NULL | NULL |

| Anitha | chennai | 756 | 2023-01-20 | 121000.55 |

| Kumar | Coimbatore | NULL | NULL | NULL |

| Abdul | Trichy | 727 | 2023-04-15 | 16000.55 |

| James | Bengaluru | NULL | NULL | NULL |

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

**CROSS JOIN**

**mysql> select p.pname, c.cname from prod\_det as p cross join cus\_det as c;**

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

| pname | cname |

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

| Redmi | James |

| Redmi | Abdul |

| Redmi | Kumar |

| Redmi | Anitha |

| Redmi | Harini |

| Redmi | Prem.A |

| Redmi | Rahul.S |

| Samsung DX | James |

| Samsung DX | Abdul |

| Samsung DX | Kumar |

| Samsung DX | Anitha |

| Samsung DX | Harini |

| Samsung DX | Prem.A |

| Samsung DX | Rahul.S |

| Iphone | James |

| Iphone | Abdul |

| Iphone | Kumar |

| Iphone | Anitha |

| Iphone | Harini |

| Iphone | Prem.A |

| Iphone | Rahul.S |

| Nokia | James |

| Nokia | Abdul |

| Nokia | Kumar |

| Nokia | Anitha |

| Nokia | Harini |

| Nokia | Prem.A |

| Nokia | Rahul.S |

| Lenovo | James |

| Lenovo | Abdul |

| Lenovo | Kumar |

| Lenovo | Anitha |

| Lenovo | Harini |

| Lenovo | Prem.A |

| Lenovo | Rahul.S |

| Real me | James |

| Real me | Abdul |

| Real me | Kumar |

| Real me | Anitha |

| Real me | Harini |

| Real me | Prem.A |

| Real me | Rahul.S |

| Samsung | James |

| Samsung | Abdul |

| Samsung | Kumar |

| Samsung | Anitha |

| Samsung | Harini |

| Samsung | Prem.A |

| Samsung | Rahul.S |

| Oppo | James |

| Oppo | Abdul |

| Oppo | Kumar |

| Oppo | Anitha |

| Oppo | Harini |

| Oppo | Prem.A |

| Oppo | Rahul.S |

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

56 rows in set (0.03 sec)

**mysql> create table shipping(shid varchar(10),sod date,cloc varchar(25),bid int, foreign key(bid) references bill(bid));**

Query OK, 0 rows affected (2.34 sec)

mysql> select \* from shipping;

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

| shid | sod | cloc | bid |

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

| sh0506 | 2023-02-15 | mysore | 701 |

| sh0578 | 2023-03-08 | Salem | 721 |

| sh0587 | 2023-04-16 | pune | 727 |

| sh0125 | 2023-01-30 | Kolkatta | 756 |

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

4 rows in set (0.00 sec)

mysql> select \* from bill;

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

| bid | dob | pid | cid | netprice |

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

| 701 | 2023-02-12 | 2 | c001 | 16555.55 |

| 721 | 2023-03-05 | 3 | c002 | 121000.55 |

| 727 | 2023-04-15 | 2 | c015 | 16000.55 |

| 756 | 2023-01-20 | 3 | c004 | 121000.55 |

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

4 rows in set (0.00 sec)

**DATE FUNCTIONS**

**mysql> select datediff(s.sod,b.dob) from shipping as s inner join bill as b on s.bid = b.bid;**

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

| datediff(s.sod,b.dob) |

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

| 3 |

| 3 |

| 1 |

| 10 |

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

4 rows in set (0.05 sec)

**mysql> select date\_format(sod,'%D,%M,%Y') from shipping;**

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

| date\_format(sod,'%D,%M,%Y') |

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

| 15th,February,2023 |

| 8th,March,2023 |

| 16th,April,2023 |

| 30th,January,2023 |

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

4 rows in set (0.03 sec)

**mysql> select date\_format(sod,'%D,%M,%Y,%W') from shipping;**

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

| date\_format(sod,'%D,%M,%Y,%W') |

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

| 15th,February,2023,Wednesday |

| 8th,March,2023,Wednesday |

| 16th,April,2023,Sunday |

| 30th,January,2023,Monday |

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

4 rows in set (0.00 sec)

mysql> select date\_format(sod,'%D,%M,%Y,%W,%A') from shipping;

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

| date\_format(sod,'%D,%M,%Y,%W,%A') |

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

| 15th,February,2023,Wednesday,A |

| 8th,March,2023,Wednesday,A |

| 16th,April,2023,Sunday,A |

| 30th,January,2023,Monday,A |

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

4 rows in set (0.00 sec)

mysql> select date\_format(sod,'%D,%M,%Y,%W,%a') from shipping;

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

| date\_format(sod,'%D,%M,%Y,%W,%a') |

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

| 15th,February,2023,Wednesday,Wed |

| 8th,March,2023,Wednesday,Wed |

| 16th,April,2023,Sunday,Sun |

| 30th,January,2023,Monday,Mon |

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

4 rows in set (0.00 sec)

mysql> select date\_format(sod,'%D,%M,%Y,%W,%p') from shipping;

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

| date\_format(sod,'%D,%M,%Y,%W,%p') |

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

| 15th,February,2023,Wednesday,AM |

| 8th,March,2023,Wednesday,AM |

| 16th,April,2023,Sunday,AM |

| 30th,January,2023,Monday,AM |

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

4 rows in set (0.00 sec)

**mysql> select date\_format(sod,'%D,%M,%Y,%W,%p,%U') from shipping;**

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

| date\_format(sod,'%D,%M,%Y,%W,%p,%U') |

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

| 15th,February,2023,Wednesday,AM,07 |

| 8th,March,2023,Wednesday,AM,10 |

| 16th,April,2023,Sunday,AM,16 |

| 30th,January,2023,Monday,AM,05 |

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

4 rows in set (0.00 sec)

**TCL (Transaction Control Language)**

mysql> select \* from emp\_info;

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

| sno | empno | empname | salary |

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

| 1 | pgm002 | Kirubakaran.S | 30000.00 |

| 2 | FE015 | Sanjaikumar.M | 22000.00 |

| 3 | WD005 | Tejaswini.S | 30000.00 |

| 4 | Test056 | Ajith.K | 15000.00 |

| 500 | WD102 | Vijay.K | 20000.00 |

| 501 | FE009 | Surya.S | 22000.00 |

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

6 rows in set (0.03 sec)

mysql> set autocommit = 0;

Query OK, 0 rows affected (0.13 sec)

mysql> update emp\_info set empname = 'Suryakumar.S' where empno = 'FE009';

Query OK, 1 row affected (0.05 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from emp\_info;

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

| sno | empno | empname | salary |

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

| 1 | pgm002 | Kirubakaran.S | 30000.00 |

| 2 | FE015 | Sanjaikumar.M | 22000.00 |

| 3 | WD005 | Tejaswini.S | 30000.00 |

| 4 | Test056 | Ajith.K | 15000.00 |

| 500 | WD102 | Vijay.K | 20000.00 |

| 501 | FE009 | Suryakumar.S | 22000.00 |

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

6 rows in set (0.00 sec)

mysql> rollback;

Query OK, 0 rows affected (0.04 sec)

mysql> select \* from emp\_info;

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

| sno | empno | empname | salary |

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

| 1 | pgm002 | Kirubakaran.S | 30000.00 |

| 2 | FE015 | Sanjaikumar.M | 22000.00 |

| 3 | WD005 | Tejaswini.S | 30000.00 |

| 4 | Test056 | Ajith.K | 15000.00 |

| 500 | WD102 | Vijay.K | 20000.00 |

| 501 | FE009 | Surya.S | 22000.00 |

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

6 rows in set (0.00 sec)

mysql> delete from emp\_info where empno = 'FE009';

Query OK, 1 row affected (0.06 sec)

mysql> select \* from emp\_info;

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

| sno | empno | empname | salary |

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

| 1 | pgm002 | Kirubakaran.S | 30000.00 |

| 2 | FE015 | Sanjaikumar.M | 22000.00 |

| 3 | WD005 | Tejaswini.S | 30000.00 |

| 4 | Test056 | Ajith.K | 15000.00 |

| 500 | WD102 | Vijay.K | 20000.00 |

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

5 rows in set (0.00 sec)

mysql> rollback;

Query OK, 0 rows affected (0.00 sec)

mysql> select \* from emp\_info;

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

| sno | empno | empname | salary |

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

| 1 | pgm002 | Kirubakaran.S | 30000.00 |

| 2 | FE015 | Sanjaikumar.M | 22000.00 |

| 3 | WD005 | Tejaswini.S | 30000.00 |

| 4 | Test056 | Ajith.K | 15000.00 |

| 500 | WD102 | Vijay.K | 20000.00 |

| 501 | FE009 | Surya.S | 22000.00 |

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

6 rows in set (0.00 sec)

mysql> select \* from emp\_info;

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

| sno | empno | empname | salary |

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

| 1 | pgm002 | Kirubakaran.S | 30000.00 |

| 2 | FE015 | Sanjaikumar.M | 22000.00 |

| 3 | WD005 | Tejaswini.S | 30000.00 |

| 4 | Test056 | Ajith.K | 15000.00 |

| 500 | WD102 | Vijay.K | 20000.00 |

| 501 | FE009 | Surya.S | 22000.00 |

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

6 rows in set (0.00 sec)

mysql> update emp\_info set empname = 'Suryakumar.S' where empno = 'FE009';

Query OK, 1 row affected (0.06 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> commit;

Query OK, 0 rows affected (0.07 sec)

mysql> rollback;

Query OK, 0 rows affected (0.00 sec)

mysql> select \* from emp\_info;

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

| sno | empno | empname | salary |

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

| 1 | pgm002 | Kirubakaran.S | 30000.00 |

| 2 | FE015 | Sanjaikumar.M | 22000.00 |

| 3 | WD005 | Tejaswini.S | 30000.00 |

| 4 | Test056 | Ajith.K | 15000.00 |

| 500 | WD102 | Vijay.K | 20000.00 |

| 501 | FE009 | Suryakumar.S | 22000.00 |

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

6 rows in set (0.00 sec)

mysql> delete from emp\_info where empno = 'FE009';

Query OK, 1 row affected (0.00 sec)

mysql> commit;

Query OK, 0 rows affected (0.02 sec)

mysql> rollback;

Query OK, 0 rows affected (0.00 sec)

mysql> select \* from emp\_info;

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

| sno | empno | empname | salary |

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

| 1 | pgm002 | Kirubakaran.S | 30000.00 |

| 2 | FE015 | Sanjaikumar.M | 22000.00 |

| 3 | WD005 | Tejaswini.S | 30000.00 |

| 4 | Test056 | Ajith.K | 15000.00 |

| 500 | WD102 | Vijay.K | 20000.00 |

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

5 rows in set (0.00 sec)

**Views**

mysql> select \* from emp\_info;

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

| sno | empno | empname | salary |

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

| 1 | pgm002 | Kirubakaran.S | 30000.00 |

| 2 | FE015 | Sanjaikumar.M | 22000.00 |

| 3 | WD005 | Tejaswini.S | 30000.00 |

| 4 | Test056 | Ajith.K | 15000.00 |

| 500 | WD102 | Vijay.K | 20000.00 |

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

5 rows in set (0.00 sec)

**mysql> create view v1 as select empname from emp\_info;**

Query OK, 0 rows affected (0.23 sec)

mysql> desc v1;

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

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

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

| empname | varchar(25) | YES | | NULL | |

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

1 row in set (0.08 sec)

mysql> select \* from v1;

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

| empname |

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

| Kirubakaran.S |

| Sanjaikumar.M |

| Tejaswini.S |

| Ajith.K |

| Vijay.K |

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

5 rows in set (0.04 sec)

mysql> create view v2 as select c.cname,c.address,b.bid,b.dob,b.netprice from cus\_det as c left join bill as b on c.cid = b.cid;

Query OK, 0 rows affected (0.29 sec)

mysql> select \* from v2;

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

| cname | address | bid | dob | netprice |

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

| Rahul.S | Mysore | 701 | 2023-02-12 | 16555.55 |

| Prem.A | chennai | 721 | 2023-03-05 | 121000.55 |

| Harini | Bengaluru | NULL | NULL | NULL |

| Anitha | chennai | 756 | 2023-01-20 | 121000.55 |

| Kumar | Coimbatore | NULL | NULL | NULL |

| Abdul | Trichy | 727 | 2023-04-15 | 16000.55 |

| James | Bengaluru | NULL | NULL | NULL |

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

7 rows in set (0.03 sec)

mysql> drop view v1;

Query OK, 0 rows affected (0.15 sec)

mysql> select \* from v1;

ERROR 1146 (42S02): Table 'blrdb.v1' doesn't exist

mysql>

**REPLACE COMMAND**

mysql> desc prod\_det;

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

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

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

| pid | int | NO | PRI | NULL | |

| pname | varchar(25) | YES | | NULL | |

| price | double(10,2) | YES | | NULL | |

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

3 rows in set (0.00 sec)

mysql> select \* from prod\_det;

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

| pid | pname | price |

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

| 1 | Redmi | 32999.50 |

| 2 | Samsung DX | 15550.00 |

| 3 | Iphone | 120999.90 |

| 4 | Nokia | 13000.00 |

| 5 | Lenovo | 23555.55 |

| 6 | Real me | 12000.50 |

| 7 | Samsung | 12000.00 |

| 8 | Oppo | 13000.00 |

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

8 rows in set (0.00 sec)

mysql> replace into prod\_det set pid =8,pname='Oppo XL',price = 15600.00;

Query OK, 2 rows affected (0.11 sec)

mysql> select \* from prod\_det;

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

| pid | pname | price |

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

| 1 | Redmi | 32999.50 |

| 2 | Samsung DX | 15550.00 |

| 3 | Iphone | 120999.90 |

| 4 | Nokia | 13000.00 |

| 5 | Lenovo | 23555.55 |

| 6 | Real me | 12000.50 |

| 7 | Samsung | 12000.00 |

| 8 | Oppo XL | 15600.00 |

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

8 rows in set (0.00 sec)

mysql> replace into prod\_det set pid =9,pname='Real NarXO',price = 20600.00;

Query OK, 1 row affected (0.00 sec)

mysql> select \* from prod\_det;

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

| pid | pname | price |

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

| 1 | Redmi | 32999.50 |

| 2 | Samsung DX | 15550.00 |

| 3 | Iphone | 120999.90 |

| 4 | Nokia | 13000.00 |

| 5 | Lenovo | 23555.55 |

| 6 | Real me | 12000.50 |

| 7 | Samsung | 12000.00 |

| 8 | Oppo XL | 15600.00 |

| 9 | Real NarXO | 20600.00 |

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

9 rows in set (0.00 sec)

mysql> replace into prod\_det set pid =8,pname='Oppo XL',price = 15600.00;

Query OK, 2 rows affected (0.00 sec)

mysql> select \* from prod\_det;

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

| pid | pname | price |

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

| 1 | Redmi | 32999.50 |

| 2 | Samsung DX | 15550.00 |

| 3 | Iphone | 120999.90 |

| 4 | Nokia | 13000.00 |

| 5 | Lenovo | 23555.55 |

| 6 | Real me | 12000.50 |

| 7 | Samsung | 12000.00 |

| 8 | Oppo XL | 15600.00 |

| 9 | Real NarXO | 20600.00 |

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

9 rows in set (0.00 sec)

mysql> desc product\_det;

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

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

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

| pid | varchar(20) | YES | | NULL | |

| pname | varchar(22) | YES | | NULL | |

| price | double(10,2) | YES | | NULL | |

| dom | date | YES | | NULL | |

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

4 rows in set (0.05 sec)

mysql> select \* from product\_det;

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

| pid | pname | price | dom |

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

| wt22 | Apple Watch | 50999.99 | 2023-03-24 |

| mb28 | Redmi | 17899.99 | 2023-02-22 |

| sl01 | Puma | 2000.50 | 2023-01-15 |

| wt23 | Apple Watch9 | 69999.99 | 2023-03-26 |

| mb22 | Samsung | 27899.99 | 2023-01-22 |

| sl20 | VKC | 350.50 | 2023-01-17 |

| wt28 | Noise | 2999.99 | 2023-03-26 |

| mb32 | Samsung DX | 30899.99 | 2023-01-22 |

| sl69 | Addidas | 3550.50 | 2023-02-06 |

| wt28 | Noise | 2999.99 | 2023-03-26 |

| mb32 | Samsung DX | 30899.99 | 2023-01-22 |

| sl69 | Addidas | 3550.50 | 2023-02-06 |

| wt23 | Apple Watch9 | 69999.99 | 2023-03-26 |

| mb22 | Samsung | 27899.99 | 2023-01-22 |

| sl20 | VKC | 350.50 | 2023-01-17 |

| wt22 | Apple Watch | 20000.00 | 2023-05-12 |

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

16 rows in set (0.11 sec)

mysql> replace into product\_det set pid='mb22',pname = 'Samsung Ultra',price=29369.60;

Query OK, 1 row affected (0.00 sec)

mysql> select \* from product\_det;

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

| pid | pname | price | dom |

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

| wt22 | Apple Watch | 50999.99 | 2023-03-24 |

| mb28 | Redmi | 17899.99 | 2023-02-22 |

| sl01 | Puma | 2000.50 | 2023-01-15 |

| wt23 | Apple Watch9 | 69999.99 | 2023-03-26 |

| mb22 | Samsung | 27899.99 | 2023-01-22 |

| sl20 | VKC | 350.50 | 2023-01-17 |

| wt28 | Noise | 2999.99 | 2023-03-26 |

| mb32 | Samsung DX | 30899.99 | 2023-01-22 |

| sl69 | Addidas | 3550.50 | 2023-02-06 |

| wt28 | Noise | 2999.99 | 2023-03-26 |

| mb32 | Samsung DX | 30899.99 | 2023-01-22 |

| sl69 | Addidas | 3550.50 | 2023-02-06 |

| wt23 | Apple Watch9 | 69999.99 | 2023-03-26 |

| mb22 | Samsung | 27899.99 | 2023-01-22 |

| sl20 | VKC | 350.50 | 2023-01-17 |

| wt22 | Apple Watch | 20000.00 | 2023-05-12 |

| mb22 | Samsung Ultra | 29369.60 | NULL |

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

17 rows in set (0.00 sec)

***AUTO\_INCREMENT KEYWORD***

mysql> create table ticket\_booking(ticketid int auto\_increment,destination text(25),price double(10,2), primary key(ticketid));

Query OK, 0 rows affected, 1 warning (0.52 sec)

mysql> desc ticket\_booking;

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

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

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

| ticketid | int | NO | PRI | NULL | auto\_increment |

| destination | tinytext | YES | | NULL | |

| price | double(10,2) | YES | | NULL | |

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

3 rows in set (0.00 sec)

mysql> insert into ticket\_booking(destination,price)values('Bengalure',1560.00);

Query OK, 1 row affected (0.12 sec)

mysql> insert into ticket\_booking(destination,price)values('Coimbatore',1260.00);

Query OK, 1 row affected (0.00 sec)

mysql> insert into ticket\_booking(destination,price)values('Chennai',1600.00);

Query OK, 1 row affected (0.00 sec)

mysql> select \* from ticket\_booking;

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

| ticketid | destination | price |

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

| 1 | Bengalure | 1560.00 |

| 2 | Coimbatore | 1260.00 |

| 3 | Chennai | 1600.00 |

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

3 rows in set (0.00 sec)

mysql> alter table ticket\_booking auto\_increment = 5010;

Query OK, 0 rows affected (0.35 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> insert into ticket\_booking(destination,price)values('Mumbai',3600.00);

Query OK, 1 row affected (0.00 sec)

mysql> insert into ticket\_booking(destination,price)values('Pune',4600.00);

Query OK, 1 row affected (0.00 sec)

mysql> select \* from ticket\_booking;

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

| ticketid | destination | price |

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

| 1 | Bengalure | 1560.00 |

| 2 | Coimbatore | 1260.00 |

| 3 | Chennai | 1600.00 |

| 5010 | Mumbai | 3600.00 |

| 5011 | Pune | 4600.00 |

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

5 rows in set (0.00 sec)

**CHECK CONSTRAINT**

mysql> create table ticket\_booking(ticketid int auto\_increment,soure text(25),destination text(25),price double(10,2) check(price>1000 and price <12000), primary key(ticketid));

Query OK, 0 rows affected, 1 warning (0.27 sec)

mysql> desc ticket\_booking;

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

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

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

| ticketid | int | NO | PRI | NULL | auto\_increment |

| soure | tinytext | YES | | NULL | |

| destination | tinytext | YES | | NULL | |

| price | double(10,2) | YES | | NULL | |

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

4 rows in set (0.00 sec)

mysql> insert into ticket\_booking(destination,price)values('Mumbai','Chennai',5600.00);

ERROR 1136 (21S01): Column count doesn't match value count at row 1

mysql> insert into ticket\_booking(source,destination,price)values('Mumbai','Chennai',5600.00);

ERROR 1054 (42S22): Unknown column 'source' in 'field list'

mysql> insert into ticket\_booking(soure,destination,price)values('Mumbai','Chennai',5600.00);

Query OK, 1 row affected (0.03 sec)

mysql> insert into ticket\_booking(soure,destination,price)values('Bengalure','Coimbatore',11999.00);

Query OK, 1 row affected (0.00 sec)

mysql> insert into ticket\_booking(soure,destination,price)values('Bengalure','Mumbai',12000.00);

ERROR 3819 (HY000): Check constraint 'ticket\_booking\_chk\_1' is violated.

mysql> insert into ticket\_booking(soure,destination,price)values('Bengalure','Mumbai',100.00);

ERROR 3819 (HY000): Check constraint 'ticket\_booking\_chk\_1' is violated.

mysql>