**CODING PRACTICE – 27/05/2023**

mysql> create table emp\_info(sno int auto\_increment,empno varchar(10),empname varchar(25),salary double(10,2),primary key(sno)) ;

Query OK, 0 rows affected, 1 warning (2.83 sec)

mysql> desc emp\_info;

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

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

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

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

| empno | varchar(10) | YES | | NULL | |

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

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

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

4 rows in set (0.16 sec)

mysql> insert into emp\_info(empno,empname,salary)values('pgm002','Kirubakaran.S',30000.00),('FE015','Sanjaikumar.M',22000.00),('WD005','Tejaswini.S',30000.00);

Query OK, 3 rows affected (0.21 sec)

Records: 3 Duplicates: 0 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 |

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

3 rows in set (0.00 sec)

mysql> insert into emp\_info(empno,empname,salary)values('Test056','Ajith.K',15000.00);

Query OK, 1 row 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 |

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

4 rows in set (0.00 sec)

**mysql> alter table emp\_info auto\_increment = 500;**

Query OK, 0 rows affected (0.24 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> insert into emp\_info(empno,empname,salary)values('WD102','Vijay.K',20000.00);

Query OK, 1 row 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 |

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

5 rows in set (0.00 sec)

mysql> insert into emp\_info(empno,empname,salary)values('FE009','Surya.S',22000.00);

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 |

| 501 | FE009 | Surya.S | 22000.00 |

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

6 rows in set (0.00 sec)

mysql> create table sql\_marks(rollno int,name varchar(20), internal int check( internal >=1 and internal<=25));

Query OK, 0 rows affected (0.34 sec)

mysql> desc sql\_marks;

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

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

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

| rollno | int | YES | | NULL | |

| name | varchar(20) | YES | | NULL | |

| internal | int | YES | | NULL | |

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

3 rows in set (0.05 sec)

mysql> insert into sql\_marks values(1023,'Arun.M',14);

Query OK, 1 row affected (0.07 sec)

mysql> insert into sql\_marks values(1024,'Babu.B',25);

Query OK, 1 row affected (0.06 sec)

mysql> insert into sql\_marks values(1025,'Chandru.A',1);

Query OK, 1 row affected (0.06 sec)

mysql> insert into sql\_marks values(1026,'Jegadesh.S',26);

ERROR 3819 (HY000): Check constraint 'sql\_marks\_chk\_1' is violated.

mysql> insert into sql\_marks values(1026,'Jegadesh.S',0);

ERROR 3819 (HY000): Check constraint 'sql\_marks\_chk\_1' is violated.

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 | Oppo | 18000.50 |

| 6 | Real me | 12000.50 |

| 7 | Samsung | 12000.00 |

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

7 rows in set (0.00 sec)

mysql> replace into prod\_det set pid=5,pname='Lenovo',price='23555.55';

Query OK, 2 rows affected (0.15 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 |

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

7 rows in set (0.00 sec)

mysql> replace into prod\_det set pid=8,pname='Oppo',price='13000.00';

Query OK, 1 row affected (0.06 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>

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

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

| cname | pname | price | address |

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

| Tejaswini | Nokia | 13000.00 | Bengaluru |

| Sanjai | Iphone | 120999.90 | Coimbatore |

| Kirubakaran | Redmi | 32999.50 | Thiruvannamalai |

| Naveen | Real me | 12000.50 | Bengaluru |

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

4 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 (0.04 sec)

mysql> create table bill(bid int primary key,dob date,pid int,cid varchar(6),netprice double(10,2), foreign key(pid) references prod\_det(pid),foreign key(cid) references cus\_det(cid));

Query OK, 0 rows affected, 1 warning (0.35 sec)

mysql> desc bill;

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

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

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

| bid | int | NO | PRI | NULL | |

| dob | date | YES | | NULL | |

| pid | int | YES | MUL | NULL | |

| cid | varchar(6) | YES | MUL | NULL | |

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

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

5 rows in set (0.04 sec)

mysql> insert into bill values(701,'2023-02-12',2,'c001',16555.55);

Query OK, 1 row affected (0.10 sec)

mysql> insert into bill values(721,'2023-03-05',3,'c002',121000.55);

Query OK, 1 row affected (0.07 sec)

mysql> insert into bill values(727,'2023-04-15',2,'c015',16000.55);

Query OK, 1 row affected (0.04 sec)

mysql> insert into bill values(756,'2023-01-20',3,'c004',121000.55);

Query OK, 1 row affected (0.07 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)

mysql> select \* from cust\_det;

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

| cid | cname | address | pid |

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

| c001 | Tejaswini | Bengaluru | 4 |

| c002 | Sanjai | Coimbatore | 3 |

| c012 | Kirubakaran | Thiruvannamalai | 1 |

| c004 | Naveen | Bengaluru | 6 |

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

4 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> 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 (0.05 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)

mysql> select c.cname,p.pname,b.bid,b.dob,b.netprice,c.address 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 | bid | dob | netprice | address |

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

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

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

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

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

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