**CODING PRACTICE – 13/06/2023**

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

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

**Your MySQL connection id is 9**

**Server version: 8.0.32 MySQL Community Server - GPL**

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**owners.**

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

**mysql> show databases;**

**+--------------------+**

**| Database |**

**+--------------------+**

**| amazon\_product |**

**| batch14 |**

**| batch15 |**

**| blrdb |**

**| information\_schema |**

**| kgm |**

**| mysql |**

**| performance\_schema |**

**| sakila |**

**| sys |**

**| workbench |**

**| world |**

**+--------------------+**

**12 rows in set (1.03 sec)**

**mysql> use batch14**

**Database changed**

**mysql> create table stu\_marks(rollno int,name varchar(20),m1 int,m2 int,m3 int);**

**Query OK, 0 rows affected (1.11 sec)**

**mysql> desc stu\_marks;**

**+--------+-------------+------+-----+---------+-------+**

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

**+--------+-------------+------+-----+---------+-------+**

**| rollno | int | YES | | NULL | |**

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

**| m1 | int | YES | | NULL | |**

**| m2 | int | YES | | NULL | |**

**| m3 | int | YES | | NULL | |**

**+--------+-------------+------+-----+---------+-------+**

**5 rows in set (0.19 sec)**

**mysql> insert into stu\_marks values(1001,'Abijith.K',40,50,60),(1023,'Soorya.R',80,89,99),(1002,'Babu.K',12,10,16),(1025,'Harini.S',74,89,87);**

**Query OK, 4 rows affected (0.14 sec)**

**Records: 4 Duplicates: 0 Warnings: 0**

**mysql> insert into stu\_marks values(1012,'Bala.S',40,45,56),(1078,'Suresh.L',72,70,74),(1005,'Ram.P',80,86,88),(1008,'Yasid',4,9,8);**

**Query OK, 4 rows affected (0.05 sec)**

**Records: 4 Duplicates: 0 Warnings: 0**

**mysql> select \* from stu\_marks;**

**+--------+-----------+------+------+------+**

**| rollno | name | m1 | m2 | m3 |**

**+--------+-----------+------+------+------+**

**| 1001 | Abijith.K | 40 | 50 | 60 |**

**| 1023 | Soorya.R | 80 | 89 | 99 |**

**| 1002 | Babu.K | 12 | 10 | 16 |**

**| 1025 | Harini.S | 74 | 89 | 87 |**

**| 1012 | Bala.S | 40 | 45 | 56 |**

**| 1078 | Suresh.L | 72 | 70 | 74 |**

**| 1005 | Ram.P | 80 | 86 | 88 |**

**| 1008 | Yasid | 4 | 9 | 8 |**

**+--------+-----------+------+------+------+**

**8 rows in set (0.03 sec)**

**mysql> select \* from stu\_marks where rollno = 1002;**

**+--------+--------+------+------+------+**

**| rollno | name | m1 | m2 | m3 |**

**+--------+--------+------+------+------+**

**| 1002 | Babu.K | 12 | 10 | 16 |**

**+--------+--------+------+------+------+**

**1 row in set (0.02 sec)**

**mysql> update stu\_marks set m1=15,m2=12,m3=18 where rollno = 1002;**

**Query OK, 1 row affected (0.18 sec)**

**Rows matched: 1 Changed: 1 Warnings: 0**

**mysql> select \* from stu\_marks;**

**+--------+-----------+------+------+------+**

**| rollno | name | m1 | m2 | m3 |**

**+--------+-----------+------+------+------+**

**| 1001 | Abijith.K | 40 | 50 | 60 |**

**| 1023 | Soorya.R | 80 | 89 | 99 |**

**| 1002 | Babu.K | 15 | 12 | 18 |**

**| 1025 | Harini.S | 74 | 89 | 87 |**

**| 1012 | Bala.S | 40 | 45 | 56 |**

**| 1078 | Suresh.L | 72 | 70 | 74 |**

**| 1005 | Ram.P | 80 | 86 | 88 |**

**| 1008 | Yasid | 4 | 9 | 8 |**

**+--------+-----------+------+------+------+**

**8 rows in set (0.00 sec)**

**mysql> update stu\_marks set m1=m1+5;**

**Query OK, 8 rows affected (0.07 sec)**

**Rows matched: 8 Changed: 8 Warnings: 0**

**mysql> select \* from stu\_marks;**

**+--------+-----------+------+------+------+**

**| rollno | name | m1 | m2 | m3 |**

**+--------+-----------+------+------+------+**

**| 1001 | Abijith.K | 45 | 50 | 60 |**

**| 1023 | Soorya.R | 85 | 89 | 99 |**

**| 1002 | Babu.K | 20 | 12 | 18 |**

**| 1025 | Harini.S | 79 | 89 | 87 |**

**| 1012 | Bala.S | 45 | 45 | 56 |**

**| 1078 | Suresh.L | 77 | 70 | 74 |**

**| 1005 | Ram.P | 85 | 86 | 88 |**

**| 1008 | Yasid | 9 | 9 | 8 |**

**+--------+-----------+------+------+------+**

**8 rows in set (0.00 sec)**

**mysql> delete from stu\_marks where name = 'Bala.S';**

**Query OK, 1 row affected (0.06 sec)**

**mysql> select \* from stu\_marks;**

**+--------+-----------+------+------+------+**

**| rollno | name | m1 | m2 | m3 |**

**+--------+-----------+------+------+------+**

**| 1001 | Abijith.K | 45 | 50 | 60 |**

**| 1023 | Soorya.R | 85 | 89 | 99 |**

**| 1002 | Babu.K | 20 | 12 | 18 |**

**| 1025 | Harini.S | 79 | 89 | 87 |**

**| 1078 | Suresh.L | 77 | 70 | 74 |**

**| 1005 | Ram.P | 85 | 86 | 88 |**

**| 1008 | Yasid | 9 | 9 | 8 |**

**+--------+-----------+------+------+------+**

**7 rows in set (0.00 sec)**

**mysql> delete from stu\_marks;**

**Query OK, 7 rows affected (0.07 sec)**

**mysql> select \* from stu\_marks;**

**Empty set (0.00 sec)**

**mysql> insert into stu\_marks values(1001,'Abijith.K',40,50,60),(1023,'Soorya.R',80,89,99),(1002,'Babu.K',12,10,16),(1025,'Harini.S',74,89,87);**

**Query OK, 4 rows affected (0.06 sec)**

**Records: 4 Duplicates: 0 Warnings: 0**

**mysql> insert into stu\_marks values(1012,'Bala.S',40,45,56),(1078,'Suresh.L',72,70,74),(1005,'Ram.P',80,86,88),(1008,'Yasid',4,9,8);**

**Query OK, 4 rows affected (0.05 sec)**

**Records: 4 Duplicates: 0 Warnings: 0**

**mysql> select \* from stu\_marks;**

**+--------+-----------+------+------+------+**

**| rollno | name | m1 | m2 | m3 |**

**+--------+-----------+------+------+------+**

**| 1001 | Abijith.K | 40 | 50 | 60 |**

**| 1023 | Soorya.R | 80 | 89 | 99 |**

**| 1002 | Babu.K | 12 | 10 | 16 |**

**| 1025 | Harini.S | 74 | 89 | 87 |**

**| 1012 | Bala.S | 40 | 45 | 56 |**

**| 1078 | Suresh.L | 72 | 70 | 74 |**

**| 1005 | Ram.P | 80 | 86 | 88 |**

**| 1008 | Yasid | 4 | 9 | 8 |**

**+--------+-----------+------+------+------+**

**8 rows in set (0.00 sec)**

**mysql> truncate table stu\_marks;**

**Query OK, 0 rows affected (0.45 sec)**

**mysql> select \* from stu\_marks;**

**Empty set (0.03 sec)**

**mysql> select \* from stu\_marks;**

**Empty set (1.46 sec)**

**mysql> insert into stu\_marks values(1001,'Abijith.K',40,50,60),(1023,'Soorya.R',80,89,99),(1002,'Babu.K',12,10,16),(1025,'Harini.S',74,89,87);**

**Query OK, 4 rows affected (0.57 sec)**

**Records: 4 Duplicates: 0 Warnings: 0**

**mysql> insert into stu\_marks values(1012,'Bala.S',40,45,56),(1078,'Suresh.L',72,70,74),(1005,'Ram.P',80,86,88),(1008,'Yasid',4,9,8);**

**Query OK, 4 rows affected (0.29 sec)**

**Records: 4 Duplicates: 0 Warnings: 0**

**mysql> select \* from stu\_marks;**

**+--------+-----------+------+------+------+**

**| rollno | name | m1 | m2 | m3 |**

**+--------+-----------+------+------+------+**

**| 1001 | Abijith.K | 40 | 50 | 60 |**

**| 1023 | Soorya.R | 80 | 89 | 99 |**

**| 1002 | Babu.K | 12 | 10 | 16 |**

**| 1025 | Harini.S | 74 | 89 | 87 |**

**| 1012 | Bala.S | 40 | 45 | 56 |**

**| 1078 | Suresh.L | 72 | 70 | 74 |**

**| 1005 | Ram.P | 80 | 86 | 88 |**

**| 1008 | Yasid | 4 | 9 | 8 |**

**+--------+-----------+------+------+------+**

**8 rows in set (0.03 sec)**

**mysql> select name,m1 from stu\_marks where m1>=40;**

**+-----------+------+**

**| name | m1 |**

**+-----------+------+**

**| Abijith.K | 40 |**

**| Soorya.R | 80 |**

**| Harini.S | 74 |**

**| Bala.S | 40 |**

**| Suresh.L | 72 |**

**| Ram.P | 80 |**

**+-----------+------+**

**6 rows in set (0.12 sec)**

**mysql> select name,m1 from stu\_marks where m1<40;**

**+--------+------+**

**| name | m1 |**

**+--------+------+**

**| Babu.K | 12 |**

**| Yasid | 4 |**

**+--------+------+**

**2 rows in set (0.00 sec)**

**mysql> select name,m1 from stu\_marks where m1 <> 100;**

**+-----------+------+**

**| name | m1 |**

**+-----------+------+**

**| Abijith.K | 40 |**

**| Soorya.R | 80 |**

**| Babu.K | 12 |**

**| Harini.S | 74 |**

**| Bala.S | 40 |**

**| Suresh.L | 72 |**

**| Ram.P | 80 |**

**| Yasid | 4 |**

**+-----------+------+**

**8 rows in set (0.00 sec)**

**mysql> select name,m1 from stu\_marks where m1 <> 80;**

**+-----------+------+**

**| name | m1 |**

**+-----------+------+**

**| Abijith.K | 40 |**

**| Babu.K | 12 |**

**| Harini.S | 74 |**

**| Bala.S | 40 |**

**| Suresh.L | 72 |**

**| Yasid | 4 |**

**+-----------+------+**

**6 rows in set (0.00 sec)**

**mysql> select \* from stu\_marks;**

**+--------+-----------+------+------+------+**

**| rollno | name | m1 | m2 | m3 |**

**+--------+-----------+------+------+------+**

**| 1001 | Abijith.K | 40 | 50 | 60 |**

**| 1023 | Soorya.R | 80 | 89 | 99 |**

**| 1002 | Babu.K | 12 | 10 | 16 |**

**| 1025 | Harini.S | 74 | 89 | 87 |**

**| 1012 | Bala.S | 40 | 45 | 56 |**

**| 1078 | Suresh.L | 72 | 70 | 74 |**

**| 1005 | Ram.P | 80 | 86 | 88 |**

**| 1008 | Yasid | 4 | 9 | 8 |**

**+--------+-----------+------+------+------+**

**8 rows in set (0.00 sec)**

**mysql> select \* from stu\_marks where m1 >= 40 and m2>=40 and m3>=40;**

**+--------+-----------+------+------+------+**

**| rollno | name | m1 | m2 | m3 |**

**+--------+-----------+------+------+------+**

**| 1001 | Abijith.K | 40 | 50 | 60 |**

**| 1023 | Soorya.R | 80 | 89 | 99 |**

**| 1025 | Harini.S | 74 | 89 | 87 |**

**| 1012 | Bala.S | 40 | 45 | 56 |**

**| 1078 | Suresh.L | 72 | 70 | 74 |**

**| 1005 | Ram.P | 80 | 86 | 88 |**

**+--------+-----------+------+------+------+**

**6 rows in set (0.03 sec)**

**mysql> select name from stu\_marks where m1 >80 or m2>90;**

**Empty set (0.00 sec)**

**mysql> select name from stu\_marks where m1 >60 or m2>80;**

**+----------+**

**| name |**

**+----------+**

**| Soorya.R |**

**| Harini.S |**

**| Suresh.L |**

**| Ram.P |**

**+----------+**

**4 rows in set (0.00 sec)**

**mysql> select name,m1,m2 from stu\_marks where m1 >60 or m2>80;**

**+----------+------+------+**

**| name | m1 | m2 |**

**+----------+------+------+**

**| Soorya.R | 80 | 89 |**

**| Harini.S | 74 | 89 |**

**| Suresh.L | 72 | 70 |**

**| Ram.P | 80 | 86 |**

**+----------+------+------+**

**4 rows in set (0.00 sec)**

**mysql> select name from stu\_marks where m1 >=80 or m2>90;**

**+----------+**

**| name |**

**+----------+**

**| Soorya.R |**

**| Ram.P |**

**+----------+**

**2 rows in set (0.00 sec)**

**mysql> select name from stu\_marks where not name = 'Soorya.R';**

**+-----------+**

**| name |**

**+-----------+**

**| Abijith.K |**

**| Babu.K |**

**| Harini.S |**

**| Bala.S |**

**| Suresh.L |**

**| Ram.P |**

**| Yasid |**

**+-----------+**

**7 rows in set (0.08 sec)**

**mysql> select name from stu\_marks where not name = "Soorya.R";**

**+-----------+**

**| name |**

**+-----------+**

**| Abijith.K |**

**| Babu.K |**

**| Harini.S |**

**| Bala.S |**

**| Suresh.L |**

**| Ram.P |**

**| Yasid |**

**+-----------+**

**7 rows in set (0.00 sec)**

**mysql> select rollno,name,m3 from stu\_marks where m3 in (10,20,30,40,50,60);**

**+--------+-----------+------+**

**| rollno | name | m3 |**

**+--------+-----------+------+**

**| 1001 | Abijith.K | 60 |**

**+--------+-----------+------+**

**1 row in set (0.00 sec)**

**mysql> select rollno,name,m3 from stu\_marks;**

**+--------+-----------+------+**

**| rollno | name | m3 |**

**+--------+-----------+------+**

**| 1001 | Abijith.K | 60 |**

**| 1023 | Soorya.R | 99 |**

**| 1002 | Babu.K | 16 |**

**| 1025 | Harini.S | 87 |**

**| 1012 | Bala.S | 56 |**

**| 1078 | Suresh.L | 74 |**

**| 1005 | Ram.P | 88 |**

**| 1008 | Yasid | 8 |**

**+--------+-----------+------+**

**8 rows in set (0.00 sec)**

**mysql> select rollno,name from stu\_marks where name in ('Arun','Bala','Ram','Subash','Ravi','Anbu');**

**Empty set (0.00 sec)**

**mysql> select rollno,name from stu\_marks where name in ('Arun','Babu.K','Ram.P','Subash','Ravi','Anbu');**

**+--------+--------+**

**| rollno | name |**

**+--------+--------+**

**| 1002 | Babu.K |**

**| 1005 | Ram.P |**

**+--------+--------+**

**2 rows in set (0.00 sec)**

**mysql> create table product\_det(prodid varchar(10),prodname varchar(20),price double(10,2),DOM date)/**

**-> ;**

**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 '/' at line 1**

**mysql> create table product\_det(prodid varchar(10),prodname varchar(20),price double(10,2),DOM date);**

**Query OK, 0 rows affected, 1 warning (1.86 sec)**

**mysql> desc product\_det;**

**+----------+--------------+------+-----+---------+-------+**

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

**+----------+--------------+------+-----+---------+-------+**

**| prodid | varchar(10) | YES | | NULL | |**

**| prodname | varchar(20) | YES | | NULL | |**

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

**| DOM | date | YES | | NULL | |**

**+----------+--------------+------+-----+---------+-------+**

**4 rows in set (0.28 sec)**

**mysql> insert into product\_det values('Sam002','Samsung',30000.50,'2022-06-22');**

**Query OK, 1 row affected (0.08 sec)**

**mysql> insert into product\_det values('iphone01','iphone11',139999.99,'2023-05-12'),('Red005','Redmi10Pro',20000.00,'2023-01-02'),('Op007','Oppo7',15899.99,'2023-02-13');**

**Query OK, 3 rows affected (0.05 sec)**

**Records: 3 Duplicates: 0 Warnings: 0**

**mysql> insert into product\_det values('iphone02','iphone14',149999.99,'2023-05-25'),('Red006','Redmi13Pro',71000.00,'2023-02-12'),('Op007','Oppo9',18899.99,'2023-02-13');**

**Query OK, 3 rows affected (0.04 sec)**

**Records: 3 Duplicates: 0 Warnings: 0**

**mysql> insert into product\_det values('Sam001','SamsungA7',31000.50,'2022-08-12');**

**Query OK, 1 row affected (0.06 sec)**

**mysql> select \* from product\_det;**

**+----------+------------+-----------+------------+**

**| prodid | prodname | price | DOM |**

**+----------+------------+-----------+------------+**

**| Sam002 | Samsung | 30000.50 | 2022-06-22 |**

**| iphone01 | iphone11 | 139999.99 | 2023-05-12 |**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Op007 | Oppo7 | 15899.99 | 2023-02-13 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Sam001 | SamsungA7 | 31000.50 | 2022-08-12 |**

**+----------+------------+-----------+------------+**

**8 rows in set (0.03 sec)**

**mysql> insert into product\_det values('iphone02','iphone14',149999.99,'2023-05-25'),('Red006','Redmi13Pro',71000.00,'2023-02-12'),('Op007','Oppo9',18899.99,'2023-02-13');**

**Query OK, 3 rows affected (0.07 sec)**

**Records: 3 Duplicates: 0 Warnings: 0**

**mysql> select \* from product\_det;**

**+----------+------------+-----------+------------+**

**| prodid | prodname | price | DOM |**

**+----------+------------+-----------+------------+**

**| Sam002 | Samsung | 30000.50 | 2022-06-22 |**

**| iphone01 | iphone11 | 139999.99 | 2023-05-12 |**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Op007 | Oppo7 | 15899.99 | 2023-02-13 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Sam001 | SamsungA7 | 31000.50 | 2022-08-12 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**+----------+------------+-----------+------------+**

**11 rows in set (0.00 sec)**

**mysql> select \* from product\_det where prodname like 's%';**

**+--------+-----------+----------+------------+**

**| prodid | prodname | price | DOM |**

**+--------+-----------+----------+------------+**

**| Sam002 | Samsung | 30000.50 | 2022-06-22 |**

**| Sam001 | SamsungA7 | 31000.50 | 2022-08-12 |**

**+--------+-----------+----------+------------+**

**2 rows in set (0.04 sec)**

**mysql> select \* from product\_det where prodname like 'r%';**

**+--------+------------+----------+------------+**

**| prodid | prodname | price | DOM |**

**+--------+------------+----------+------------+**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**+--------+------------+----------+------------+**

**3 rows in set (0.00 sec)**

**mysql> select \* from product\_det where prodname like '%o';**

**+--------+------------+----------+------------+**

**| prodid | prodname | price | DOM |**

**+--------+------------+----------+------------+**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**+--------+------------+----------+------------+**

**3 rows in set (0.00 sec)**

**mysql> select \* from product\_det where prodname like '%s%'**

**-> ;**

**+--------+-----------+----------+------------+**

**| prodid | prodname | price | DOM |**

**+--------+-----------+----------+------------+**

**| Sam002 | Samsung | 30000.50 | 2022-06-22 |**

**| Sam001 | SamsungA7 | 31000.50 | 2022-08-12 |**

**+--------+-----------+----------+------------+**

**2 rows in set (0.00 sec)**

**mysql> select \* from product\_det where prodname like '%a%'**

**-> ;**

**+--------+-----------+----------+------------+**

**| prodid | prodname | price | DOM |**

**+--------+-----------+----------+------------+**

**| Sam002 | Samsung | 30000.50 | 2022-06-22 |**

**| Sam001 | SamsungA7 | 31000.50 | 2022-08-12 |**

**+--------+-----------+----------+------------+**

**2 rows in set (0.00 sec)**

**mysql> select \* from product\_det where prodname like '%r%';**

**+--------+------------+----------+------------+**

**| prodid | prodname | price | DOM |**

**+--------+------------+----------+------------+**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**+--------+------------+----------+------------+**

**3 rows in set (0.00 sec)**

**mysql> select \* from product\_det where prodname like '%m%';**

**+--------+------------+----------+------------+**

**| prodid | prodname | price | DOM |**

**+--------+------------+----------+------------+**

**| Sam002 | Samsung | 30000.50 | 2022-06-22 |**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Sam001 | SamsungA7 | 31000.50 | 2022-08-12 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**+--------+------------+----------+------------+**

**5 rows in set (0.00 sec)**

**mysql> select \* from product\_det;**

**+----------+------------+-----------+------------+**

**| prodid | prodname | price | DOM |**

**+----------+------------+-----------+------------+**

**| Sam002 | Samsung | 30000.50 | 2022-06-22 |**

**| iphone01 | iphone11 | 139999.99 | 2023-05-12 |**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Op007 | Oppo7 | 15899.99 | 2023-02-13 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Sam001 | SamsungA7 | 31000.50 | 2022-08-12 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**+----------+------------+-----------+------------+**

**11 rows in set (0.00 sec)**

**mysql> select \* from product\_det where prodname like '\_p%';**

**+----------+----------+-----------+------------+**

**| prodid | prodname | price | DOM |**

**+----------+----------+-----------+------------+**

**| iphone01 | iphone11 | 139999.99 | 2023-05-12 |**

**| Op007 | Oppo7 | 15899.99 | 2023-02-13 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**+----------+----------+-----------+------------+**

**6 rows in set (0.00 sec)**

**mysql> select \* from product\_det where prodname like '\_pp%';**

**+--------+----------+----------+------------+**

**| prodid | prodname | price | DOM |**

**+--------+----------+----------+------------+**

**| Op007 | Oppo7 | 15899.99 | 2023-02-13 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**+--------+----------+----------+------------+**

**3 rows in set (0.00 sec)**

**mysql> select \* from product\_det where prodname like 'R\_d%';**

**+--------+------------+----------+------------+**

**| prodid | prodname | price | DOM |**

**+--------+------------+----------+------------+**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**+--------+------------+----------+------------+**

**3 rows in set (0.00 sec)**

**mysql> select \* from product\_det;**

**+----------+------------+-----------+------------+**

**| prodid | prodname | price | DOM |**

**+----------+------------+-----------+------------+**

**| Sam002 | Samsung | 30000.50 | 2022-06-22 |**

**| iphone01 | iphone11 | 139999.99 | 2023-05-12 |**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Op007 | Oppo7 | 15899.99 | 2023-02-13 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Sam001 | SamsungA7 | 31000.50 | 2022-08-12 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**+----------+------------+-----------+------------+**

**11 rows in set (0.00 sec)**

**mysql> select \* from product\_det where dom between '2023-02-12' and '2023-05-12';**

**+----------+------------+-----------+------------+**

**| prodid | prodname | price | DOM |**

**+----------+------------+-----------+------------+**

**| iphone01 | iphone11 | 139999.99 | 2023-05-12 |**

**| Op007 | Oppo7 | 15899.99 | 2023-02-13 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**+----------+------------+-----------+------------+**

**6 rows in set (0.00 sec)**

**mysql> select \* from product\_det where price between 20000.00 and 40000.00;**

**+--------+------------+----------+------------+**

**| prodid | prodname | price | DOM |**

**+--------+------------+----------+------------+**

**| Sam002 | Samsung | 30000.50 | 2022-06-22 |**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Sam001 | SamsungA7 | 31000.50 | 2022-08-12 |**

**+--------+------------+----------+------------+**

**3 rows in set (0.00 sec)**

**mysql> select \* from product\_det where prodname between 'Samasung' and 'Oppo7';**

**Empty set (0.00 sec)**

**mysql> select \* from product\_det where prodname between 'Samsung' and 'Oppo7';**

**Empty set (0.00 sec)**

**mysql> select \* from product\_det where prodname between 'Oppo7' and 'Samsung';**

**+--------+------------+----------+------------+**

**| prodid | prodname | price | DOM |**

**+--------+------------+----------+------------+**

**| Sam002 | Samsung | 30000.50 | 2022-06-22 |**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Op007 | Oppo7 | 15899.99 | 2023-02-13 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**+--------+------------+----------+------------+**

**7 rows in set (0.00 sec)**

**mysql> select \* from product\_det order by prodname;**

**+----------+------------+-----------+------------+**

**| prodid | prodname | price | DOM |**

**+----------+------------+-----------+------------+**

**| iphone01 | iphone11 | 139999.99 | 2023-05-12 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| Op007 | Oppo7 | 15899.99 | 2023-02-13 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Sam002 | Samsung | 30000.50 | 2022-06-22 |**

**| Sam001 | SamsungA7 | 31000.50 | 2022-08-12 |**

**+----------+------------+-----------+------------+**

**11 rows in set (0.03 sec)**

**mysql> select \* from product\_det order by prodname desc;**

**+----------+------------+-----------+------------+**

**| prodid | prodname | price | DOM |**

**+----------+------------+-----------+------------+**

**| Sam001 | SamsungA7 | 31000.50 | 2022-08-12 |**

**| Sam002 | Samsung | 30000.50 | 2022-06-22 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Op007 | Oppo7 | 15899.99 | 2023-02-13 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| iphone01 | iphone11 | 139999.99 | 2023-05-12 |**

**+----------+------------+-----------+------------+**

**11 rows in set (0.03 sec)**

**mysql> select \* from product\_det order by dom;**

**+----------+------------+-----------+------------+**

**| prodid | prodname | price | DOM |**

**+----------+------------+-----------+------------+**

**| Sam002 | Samsung | 30000.50 | 2022-06-22 |**

**| Sam001 | SamsungA7 | 31000.50 | 2022-08-12 |**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Op007 | Oppo7 | 15899.99 | 2023-02-13 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| iphone01 | iphone11 | 139999.99 | 2023-05-12 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**+----------+------------+-----------+------------+**

**11 rows in set (0.00 sec)**

**mysql> select \* from product\_det order by price;**

**+----------+------------+-----------+------------+**

**| prodid | prodname | price | DOM |**

**+----------+------------+-----------+------------+**

**| Op007 | Oppo7 | 15899.99 | 2023-02-13 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Sam002 | Samsung | 30000.50 | 2022-06-22 |**

**| Sam001 | SamsungA7 | 31000.50 | 2022-08-12 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| iphone01 | iphone11 | 139999.99 | 2023-05-12 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**+----------+------------+-----------+------------+**

**11 rows in set (0.00 sec)**

**mysql> select \* from product\_det order by price desc;**

**+----------+------------+-----------+------------+**

**| prodid | prodname | price | DOM |**

**+----------+------------+-----------+------------+**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| iphone02 | iphone14 | 149999.99 | 2023-05-25 |**

**| iphone01 | iphone11 | 139999.99 | 2023-05-12 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Red006 | Redmi13Pro | 71000.00 | 2023-02-12 |**

**| Sam001 | SamsungA7 | 31000.50 | 2022-08-12 |**

**| Sam002 | Samsung | 30000.50 | 2022-06-22 |**

**| Red005 | Redmi10Pro | 20000.00 | 2023-01-02 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Op007 | Oppo9 | 18899.99 | 2023-02-13 |**

**| Op007 | Oppo7 | 15899.99 | 2023-02-13 |**

**+----------+------------+-----------+------------+**

**11 rows in set (0.00 sec)**

**mysql>**