**CODING PRACTICE – 14/06/2023**

**mysql> show databases;**

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

**| Database |**

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

**| amazon\_product |**

**| batch14 |**

**| batch15 |**

**| blrdb |**

**| information\_schema |**

**| kgm |**

**| mysql |**

**| performance\_schema |**

**| sakila |**

**| sys |**

**| workbench |**

**| world |**

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

**12 rows in set (0.46 sec)**

**mysql> use batch14**

**Database changed**

**mysql> show tables;**

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

**| Tables\_in\_batch14 |**

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

**| product\_det |**

**| stu\_marks |**

**| student\_info |**

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

**3 rows in set (0.26 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 (0.03 sec)**

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

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

**| prodname |**

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

**| iphone11 |**

**| iphone14 |**

**| Oppo7 |**

**| Oppo9 |**

**| Redmi10Pro |**

**| Redmi13Pro |**

**| Samsung |**

**| SamsungA7 |**

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

**8 rows in set (0.09 sec)**

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

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

**| prodname |**

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

**| Samsung |**

**| iphone11 |**

**| Redmi10Pro |**

**| Oppo7 |**

**| iphone14 |**

**| Redmi13Pro |**

**| Oppo9 |**

**| SamsungA7 |**

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

**8 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 count(prodname) from product\_det;**

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

**| count(prodname) |**

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

**| 11 |**

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

**1 row in set (0.05 sec)**

**mysql> select min(price) from product\_det;**

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

**| min(price) |**

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

**| 15899.99 |**

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

**1 row in set (0.04 sec)**

**mysql> select max(price) from product\_det;**

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

**| max(price) |**

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

**| 149999.99 |**

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

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

**mysql> select sum(price) from product\_det;**

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

**| sum(price) |**

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

**| 716700.94 |**

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

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

**mysql> select avg(price) from product\_det;**

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

**| avg(price) |**

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

**| 65154.630909 |**

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

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

**mysql> select round(avg(price),2) from product\_det;**

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

**| round(avg(price),2) |**

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

**| 65154.63 |**

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

**1 row in set (0.04 sec)**

**mysql> select round(avg(price),2) as Rounding\_Average\_Price from product\_det;**

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

**| Rounding\_Average\_Price |**

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

**| 65154.63 |**

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

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

**mysql> select sum(price) as Sum\_of\_All\_Products from product\_det;**

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

**| Sum\_of\_All\_Products |**

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

**| 716700.94 |**

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

**1 row 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 prodname,count(price) from product\_det group by prodname;**

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

**| prodname | count(price) |**

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

**| Samsung | 1 |**

**| iphone11 | 1 |**

**| Redmi10Pro | 1 |**

**| Oppo7 | 1 |**

**| iphone14 | 2 |**

**| Redmi13Pro | 2 |**

**| Oppo9 | 2 |**

**| SamsungA7 | 1 |**

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

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

**mysql> select prodname,sum(price) from product\_det group by prodname;**

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

**| prodname | sum(price) |**

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

**| Samsung | 30000.50 |**

**| iphone11 | 139999.99 |**

**| Redmi10Pro | 20000.00 |**

**| Oppo7 | 15899.99 |**

**| iphone14 | 299999.98 |**

**| Redmi13Pro | 142000.00 |**

**| Oppo9 | 37799.98 |**

**| SamsungA7 | 31000.50 |**

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

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

**mysql> select prodname,avg(price) from product\_det group by prodname;**

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

**| prodname | avg(price) |**

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

**| Samsung | 30000.500000 |**

**| iphone11 | 139999.990000 |**

**| Redmi10Pro | 20000.000000 |**

**| Oppo7 | 15899.990000 |**

**| iphone14 | 149999.990000 |**

**| Redmi13Pro | 71000.000000 |**

**| Oppo9 | 18899.990000 |**

**| SamsungA7 | 31000.500000 |**

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

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

**mysql> select prodname,sum(price) from product\_det group by prodname;**

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

**| prodname | sum(price) |**

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

**| Samsung | 30000.50 |**

**| iphone11 | 139999.99 |**

**| Redmi10Pro | 20000.00 |**

**| Oppo7 | 15899.99 |**

**| iphone14 | 299999.98 |**

**| Redmi13Pro | 142000.00 |**

**| Oppo9 | 37799.98 |**

**| SamsungA7 | 31000.50 |**

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

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

**mysql> select prodname,sum(price) from product\_det group by prodname having sum(price) > 50000;**

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

**| prodname | sum(price) |**

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

**| iphone11 | 139999.99 |**

**| iphone14 | 299999.98 |**

**| Redmi13Pro | 142000.00 |**

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

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

**mysql> select prodname,sum(price) from product\_det group by prodname having sum(price) <= 20000;**

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

**| prodname | sum(price) |**

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

**| Redmi10Pro | 20000.00 |**

**| Oppo7 | 15899.99 |**

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

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

**mysql>**