

➤ Create Database

```
MySQL 8.0 Command Line Cli x + v
Enter password: *****
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 23
Server version: 8.0.33 MySQL Community Server - GPL

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owners.

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

mysql> create database Items;
Query OK, 1 row affected (0.03 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| customer |
| dk_limited |
| information_schema |
| item1 |
| items |
| mydata |
| mysql |
| performance_schema |
| school |
| student |
| sys |
| task3 |
| task4 |
| world |
+-----+
14 rows in set (0.00 sec)

mysql> use items;
Database changed
mysql> create table Product(PRO_ID int,PRO_NAME varchar,PRO_PRICE int,PRO_CODE int);
```

- Create table
- Write sql query to find the items whose prices are higher than or equal 250rs. Order the result by product price in descending, then product name in ascending. Return pro_name and pro_price

```
MySQL 8.0 Command Line Cli x + v
Query OK, 0 rows affected (0.05 sec)

mysql> insert into Product values(101,"Mother Board",3200.00,15),(102,"Key Board",450.00,16),(103,"Zip drive",250.00,14),(104,"Speaker",550.00,16),(105,"Mon
itor",5000.00,11),(106,"DVD drive",900.00,12),(107,"CD drive",800.00,12),(108,"Printer",2600.00,13),(109,"Refill cartridge",350.00,13),(110,"Mouse",250.00,1
2);
Query OK, 10 rows affected (0.03 sec)
Records: 10 Duplicates: 0 Warnings: 0

mysql> select * from Product;
+-----+-----+-----+-----+
| PRO_ID | PRO_NAME | PRO_PRICE | PRO_CODE |
+-----+-----+-----+-----+
| 101 | Mother Board | 3200 | 15 |
| 102 | Key Board | 450 | 16 |
| 103 | Zip drive | 250 | 14 |
| 104 | Speaker | 550 | 16 |
| 105 | Monitor | 5000 | 11 |
| 106 | DVD drive | 900 | 12 |
| 107 | CD drive | 800 | 12 |
| 108 | Printer | 2600 | 13 |
| 109 | Refill cartridge | 350 | 13 |
| 110 | Mouse | 250 | 12 |
+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> SELECT PRO_NAME, PRO_PRICE FROM Product WHERE PRO_PRICE >= 250 ORDER BY PRO_PRICE DESC, PRO_NAME;
+-----+-----+
| PRO_NAME | PRO_PRICE |
+-----+-----+
| Monitor | 5000 |
| Mother Board | 3200 |
| Printer | 2600 |
| DVD drive | 900 |
| CD drive | 800 |
| Speaker | 550 |
| Key Board | 450 |
| Refill cartridge | 350 |
| Mouse | 250 |
| Zip drive | 250 |
+-----+-----+
```

- Write a sql query to find the cheapest item. Return pro_name and pro_price.
- Write the sql query to find the average total for all the product mention in the table

```
mysql> SELECT PRO_NAME, PRO_PRICE FROM Product WHERE PRO_PRICE >= 250 ORDER BY PRO_PRICE DESC, PRO_NAME;
```

PRO_NAME	PRO_PRICE
Monitor	5000
Mother Board	3200
Printer	2600
DVD drive	900
CD drive	800
Speaker	550
Key Board	450
Refill cartridge	350
Mouse	250
Zip drive	250

10 rows in set (0.00 sec)

```
mysql> SELECT PRO_NAME,PRO_PRICE from Product where PRO_PRICE=(SELECT MIN(PRO_PRICE) FROM Product);
```

PRO_NAME	PRO_PRICE
Zip drive	250
Mouse	250

2 rows in set (0.00 sec)

```
mysql> SELECT AVG(PRO_PRICE) as total from Product;
```

total
1435

1 row in set (0.00 sec)