

SQL ASSIGNMENT

1. CREATING THE TABLE AND INSERTING SAMPLE VALUES

```
MySQL 8.0 Command Line Client
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.22 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 database;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server vers
ion for the right syntax to use near 'database' at line 1
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sakila |
| store |
| sys |
| test_db |
| world |
+-----+
8 rows in set (0.00 sec)

mysql> use store;
Database changed
mysql> SELECT * FROM CATEGORY;
+-----+-----+
| CCODE | CNAME |
+-----+-----+
| 1 | CPU |
| 2 | MOTHERBOARD |
| 3 | RAM |
| 4 | CASE |
| 5 | GPU |
+-----+-----+
5 rows in set (0.03 sec)

mysql> SELECT * FROM PRODUCTS;
+-----+-----+-----+-----+
| PCODE | PNAME | UNIT_PRICE | CCODE |
+-----+-----+-----+-----+
| 101 | INTEL I9 10900K | 550 | 1 |
| 102 | AMD RYZEN 9 5950X | 450 | 1 |
| 201 | ASUS ROG STRIX Z490-G | 450 | 2 |
| 202 | ASUS ROG Strix X570-E | 350 | 2 |
| 301 | Corsair Vengeance RGB Pro 32GB, 3600MHz | 275 | 3 |
| 302 | Crucial Ballistix RGB 32GB, 3600MHz | 250 | 3 |
| 401 | NZXT H510 ELITE | 220 | 4 |
| 402 | LIAN LI PC-011DW | 350 | 4 |
| 501 | NVIDIA GEFORCE RTX 3090 | 1500 | 5 |
| 502 | AMD RADEON RX 6900XT | 999 | 5 |
+-----+-----+-----+-----+
10 rows in set (0.02 sec)

mysql>
```

```

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+-----+-----+-----+-----+-----+
| 402 | LIAN LI PC-011DW | 350 | 4 |
| 501 | NVIDIA GEFORCE RTX 3090 | 1500 | 5 |
| 502 | AMD RADEON RX 6900XT | 999 | 5 |
+-----+-----+-----+-----+-----+
10 rows in set (0.02 sec)

mysql> SELECT * FROM SALES_EXEC;
+-----+-----+-----+-----+-----+
| SEID | SENAME | DOB | GENDER | MOBILE_NO |
+-----+-----+-----+-----+-----+
| 5001 | PREM | 1999-03-12 | M | 9841275333 |
| 5002 | NISHANT | 1999-10-15 | M | 9841275332 |
| 5003 | RAHUL | 1999-01-16 | M | 9841275331 |
+-----+-----+-----+-----+-----+
3 rows in set (0.02 sec)

mysql> SELECT * FROM CUSTOMER;
+-----+-----+-----+-----+-----+-----+
| CUID | CUNAME | DOB | GENDER | MOBILE_NO | LCODE |
+-----+-----+-----+-----+-----+-----+
| 901 | KESAV | 1999-09-21 | M | 987654321 | 603 |
| 902 | ANAM | 1999-11-19 | M | 9176254462 | 601 |
| 903 | SAI | 1998-03-01 | M | 9962554412 | 602 |
| 904 | NAVEEN | 1999-12-25 | M | 8939244312 | 603 |
| 905 | NEELESH | 1999-11-21 | M | 9884431281 | 602 |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.02 sec)

mysql> SELECT * FROM LOCATION;
+-----+-----+
| LCODE | LNAME |
+-----+-----+
| 601 | KK NAGAR |
| 602 | VADAPALANI |
| 603 | VIRUGAMBAKKAM |
+-----+-----+
3 rows in set (0.02 sec)

mysql> SELECT * FROM PURCHASE;
+-----+-----+-----+-----+-----+
| SEID | PCODE | CUID | DOP | NOU |
+-----+-----+-----+-----+-----+
| 5001 | 101 | 902 | 2021-01-10 | 1 |
| 5001 | 101 | 904 | 2021-01-10 | 1 |
| 5001 | 102 | 901 | 2021-01-10 | 1 |
| 5001 | 102 | 905 | 2021-01-10 | 1 |
| 5002 | 201 | 902 | 2021-01-10 | 1 |
| 5002 | 201 | 904 | 2021-01-10 | 1 |
| 5002 | 202 | 901 | 2021-01-10 | 1 |
| 5002 | 202 | 905 | 2021-01-10 | 1 |
| 5003 | 302 | 903 | 2021-01-10 | 2 |
| 5003 | 401 | 901 | 2021-01-10 | 1 |
| 5003 | 501 | 901 | 2021-01-10 | 2 |
+-----+-----+-----+-----+-----+
11 rows in set (0.02 sec)

```

2. TO FIND THE MOST PURCHASED PRODUCT IN A DAY IN THE LAST WEEK.

```
MySQL 8.0 Command Line Client
ion for the right syntax to use near 'PR.CUID = C.CUID AND C.LCODE = '602' AND DOP BETWEEN '2021-01-03' AND '2021-01-
1' at line 1
mysql> SELECT P.PCODE, P.PNAME, MAX(TOTAL_P) AS NO_OF_PURCHASES, S.DOP FROM PRODUCTS P INNER JOIN (SELECT SUM(NU) AS
TOTAL_P, PCODE, DOP FROM PURCHASE PR, CUSTOMER C WHERE PR.CUID = C.CUID AND C.LCODE = '602' AND DOP BETWEEN '2021-01
-03' AND '2021-01-11' GROUP BY PCODE) S ON S.PCODE = P.PCODE;
+-----+-----+-----+-----+
| PCODE | PNAME          | NO_OF_PURCHASES | DOP          |
+-----+-----+-----+-----+
| 102   | AMD RYZEN 9 5950X | 2               | 2021-01-10   |
+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
```

3. TO FIND THE TOTAL PRODUCTS SOLD BY EACH SALES EXECUTIVE.

```
mysql> SELECT SE.SEID, SE.SENAME, SE.DOB, SE.GENDER, SE.MOBILE_NO, T.PRODUCTS_SOLD FROM SALES_EXEC SE LEFT JOIN (SELE
CT SEID, SUM(P.NOU) AS PRODUCTS_SOLD FROM PURCHASE P GROUP BY SEID) T ON SE.SEID = T.SEID;
+-----+-----+-----+-----+-----+-----+
| SEID | SENAME | DOB       | GENDER | MOBILE_NO | PRODUCTS_SOLD |
+-----+-----+-----+-----+-----+-----+
| 5001 | PREM   | 1999-03-12 | M      | 9841275333 | 4              |
| 5002 | NISHANT | 1999-10-15 | M      | 9841275332 | 4              |
| 5003 | RAHUL   | 1999-01-16 | M      | 9841275331 | 5              |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```