ETEC IRMÃ AGOSTINA

KAUE VINICIUS DA SILVA SOUSA

VICTOR SOARES PEDROSO

BANCO DE DADOS III

(ATIVIDADE)

SÃO PAULO

2022

1)

DROP DATABASE IF EXISTS db220406;

CREATE DATABASE IF NOT EXISTS db220406;

USE db220406;

```
MariaDB [(none)]> USE db220406;
Database changed
MariaDB [db220406]> _
```

2)

CREATE TABLE Vendidos(

  ID_NF INT NOT NULL,

  ID_ITEM INT NOT NULL,

  COD_PROD INT NOT NULL,

  VALOR_UNIT DECIMAL(4,2) NOT NULL,

  QUANTIDADE INT NOT NULL,

  DESCONTO INT NOT NULL,

  CONSTRAINT PK_ID_NF_ITEM PRIMARY KEY(ID_NF,ID_ITEM)

);

DESC Vendidos;

```
MariaDB [db220406]> CREATE TABLE Vendidos(
    ->     ID_NF INT NOT NULL,
    ->     ID_ITEM INT NOT NULL,
    ->     COD_PROD INT NOT NULL,
    ->     VALOR_UNIT DECIMAL(4,2) NOT NULL,
    ->     QUANTIDADE INT NOT NULL,
    ->     DESCONTO INT NOT NULL,
    ->     CONSTRAINT PK_ID_NF_ITEM PRIMARY KEY(ID_NF,ID_ITEM)
    -> );
Query OK, 0 rows affected (0.041 sec)

MariaDB [db220406]> DESC vendidos;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| ID_NF      | int(11)     | NO   | PRI | NULL    |       |
| ID_ITEM    | int(11)     | NO   | PRI | NULL    |       |
| COD_PROD   | int(11)     | NO   |     | NULL    |       |
| VALOR_UNIT | decimal(4,2)| NO   |     | NULL    |       |
| QUANTIDADE | int(11)     | NO   |     | NULL    |       |
| DESCONTO   | int(11)     | NO   |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
6 rows in set (0.004 sec)
```

3)

```sql
INSERT INTO Vendidos VALUES
(1,1,1,25.00,10,5),
(1,2,2,13.50,3,0),
(1,3,3,15.00,2,0),
(1,4,4,10.00,1,0),
(1,5,5,30.00,1,0),
(2,1,3,15.00,4,0),
(2,2,4,10.00,5,0),
(2,3,5,30.00,7,0),
(3,1,1,25.00,5,0),
(3,2,4,10.00,4,0),
(3,3,5,30.00,5,0),
(3,4,2,13.50,7,0),
(4,1,5,30.00,10,15),
(4,2,4,10.00,12,5),
(4,3,1,25.00,13,5),
(4,4,2,13.50,15,5),
(5,1,3,15.00,3,0),
(5,2,5,30.00,6,0),
(6,1,1,25.00,22,15),
(6,2,3,15.00,25,20),
(7,1,1,25.00,10,3),
(7,2,3,13.50,10,4),
(7,3,3,15.00,10,4),
(7,4,5,30.00,10,1);
SELECT * FROM Vendidos;
```
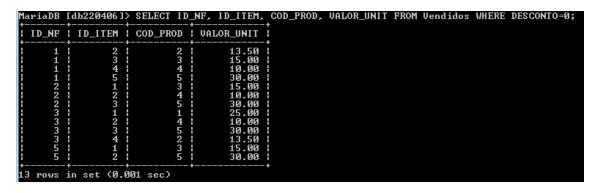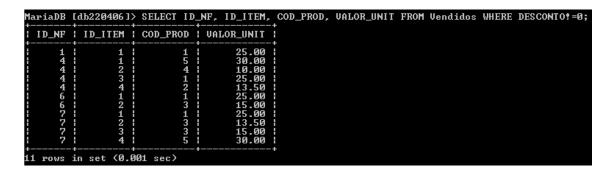
```
MariaDB [db220406]> INSERT INTO Vendidos VALUES
    -> (1,1,1,25.00,10,5),
    -> (1,2,2,13.50,3,0),
    -> (1,3,3,15.00,2,0),
    -> (1,4,4,10.00,1,0),
    -> (1,5,5,30.00,1,0),
    -> (2,1,3,15.00,4,0),
    -> (2,2,4,10.00,5,0),
    -> (2,3,5,30.00,7,0),
    -> (3,1,1,25.00,5,0),
    -> (3,2,4,10.00,4,0),
    -> (3,3,5,30.00,5,0),
    -> (3,4,2,13.50,7,0),
    -> (4,1,5,30.00,10,15),
    -> (4,2,4,10.00,12,5),
    -> (4,3,1,25.00,13,5),
    -> (4,4,2,13.50,15,5),
    -> (5,1,3,15.00,3,0),
    -> (5,2,5,30.00,6,0),
    -> (6,1,1,25.00,22,15),
    -> (6,2,3,15.00,25,20),
    -> (7,1,1,25.00,10,3),
    -> (7,2,3,13.50,10,4),
    -> (7,3,3,15.00,10,4),
    -> (7,4,5,30.00,10,1);
Query OK, 24 rows affected (0.058 sec)
Records: 24  Duplicates: 0  Warnings: 0
```

```
MariaDB [db220406]> SELECT * FROM Vendidos;
+-------+---------+----------+------------+------------+----------+
| ID_NF | ID_ITEM | COD_PROD | VALOR_UNIT | QUANTIDADE | DESCONTO |
+-------+---------+----------+------------+------------+----------+
|     1 |       1 |        1 |      25.00 |         10 |        5 |
|     1 |       2 |        2 |      13.50 |          3 |        0 |
|     1 |       3 |        3 |      15.00 |          2 |        0 |
|     1 |       4 |        4 |      10.00 |          1 |        0 |
|     1 |       5 |        5 |      30.00 |          1 |        0 |
|     2 |       1 |        3 |      15.00 |          4 |        0 |
|     2 |       2 |        4 |      10.00 |          5 |        0 |
|     2 |       3 |        5 |      30.00 |          7 |        0 |
|     3 |       1 |        1 |      25.00 |          5 |        0 |
|     3 |       2 |        4 |      10.00 |          4 |        0 |
|     3 |       3 |        5 |      30.00 |          5 |        0 |
|     3 |       4 |        2 |      13.50 |          7 |        0 |
|     4 |       1 |        5 |      30.00 |         10 |       15 |
|     4 |       2 |        4 |      10.00 |         12 |        5 |
|     4 |       3 |        1 |      25.00 |         13 |        5 |
|     4 |       4 |        2 |      13.50 |         15 |        5 |
|     5 |       1 |        3 |      15.00 |          3 |        0 |
|     5 |       2 |        5 |      30.00 |          6 |        0 |
|     6 |       1 |        1 |      25.00 |         22 |       15 |
|     6 |       2 |        3 |      15.00 |         25 |       20 |
|     7 |       1 |        1 |      25.00 |         10 |        3 |
|     7 |       2 |        3 |      13.50 |         10 |        4 |
|     7 |       3 |        3 |      15.00 |         10 |        4 |
|     7 |       4 |        5 |      30.00 |         10 |        1 |
+-------+---------+----------+------------+------------+----------+
24 rows in set (0.001 sec)
```

4)

SELECT ID_NF, ID_ITEM, COD_PROD, VALOR_UNIT FROM
Vendidos WHERE DESCONTO=0;

```
MariaDB [db220406]> SELECT ID_NF, ID_ITEM, COD_PROD, VALOR_UNIT FROM Vendidos WHERE DESCONTO=0;
+-------+---------+----------+------------+
| ID_NF | ID_ITEM | COD_PROD | VALOR_UNIT |
+-------+---------+----------+------------+
|     1 |       2 |        2 |      13.50 |
|     1 |       3 |        3 |      15.00 |
|     1 |       4 |        4 |      10.00 |
|     1 |       5 |        5 |      30.00 |
|     2 |       1 |        3 |      15.00 |
|     2 |       2 |        4 |      10.00 |
|     2 |       3 |        5 |      30.00 |
|     3 |       1 |        1 |      25.00 |
|     3 |       2 |        4 |      10.00 |
|     3 |       3 |        5 |      30.00 |
|     3 |       4 |        2 |      13.50 |
|     5 |       1 |        3 |      15.00 |
|     5 |       2 |        5 |      30.00 |
+-------+---------+----------+------------+
13 rows in set (0.001 sec)
```

5)

SELECT ID_NF, ID_ITEM, COD_PROD, VALOR_UNIT FROM
Vendidos WHERE DESCONTO!=0;

```
MariaDB [db220406]> SELECT ID_NF, ID_ITEM, COD_PROD, VALOR_UNIT FROM Vendidos WHERE DESCONTO!=0;
+-------+---------+----------+------------+
| ID_NF | ID_ITEM | COD_PROD | VALOR_UNIT |
+-------+---------+----------+------------+
|     1 |       1 |        1 |      25.00 |
|     4 |       1 |        5 |      30.00 |
|     4 |       2 |        4 |      10.00 |
|     4 |       3 |        1 |      25.00 |
|     4 |       4 |        2 |      13.50 |
|     6 |       1 |        1 |      25.00 |
|     6 |       2 |        3 |      15.00 |
|     7 |       1 |        1 |      25.00 |
|     7 |       2 |        3 |      13.50 |
|     7 |       3 |        3 |      15.00 |
|     7 |       4 |        5 |      30.00 |
+-------+---------+----------+------------+
11 rows in set (0.001 sec)
```

6)

```
SELECT ID_NF,
ID_ITEM,
COD_PROD,
VALOR_UNIT,
DESCONTO,
VALOR_UNIT-(VALOR_UNIT*(DESCONTO/100)) AS
"VALOR_DESCONTO"
FROM Vendidos WHERE DESCONTO!=0;
```

```
MariaDB [db220406]> SELECT ID_NF,
    -> ID_ITEM,
    -> COD_PROD,
    -> VALOR_UNIT,
    -> DESCONTO,
    -> VALOR_UNIT-(VALOR_UNIT*(DESCONTO/100)) AS "VALOR_DESCONTO"
    -> FROM Vendidos WHERE DESCONTO!=0;
+-------+---------+----------+------------+----------+----------------+
| ID_NF | ID_ITEM | COD_PROD | VALOR_UNIT | DESCONTO | VALOR_DESCONTO |
+-------+---------+----------+------------+----------+----------------+
|     1 |       1 |        1 |      25.00 |        5 |      23.750000 |
|     4 |       1 |        5 |      30.00 |       15 |      25.500000 |
|     4 |       2 |        4 |      10.00 |        5 |       9.500000 |
|     4 |       3 |        1 |      25.00 |        5 |      23.750000 |
|     4 |       4 |        2 |      13.50 |        5 |      12.825000 |
|     6 |       1 |        1 |      25.00 |       15 |      21.250000 |
|     6 |       2 |        3 |      15.00 |       20 |      12.000000 |
|     7 |       1 |        1 |      25.00 |        3 |      24.250000 |
|     7 |       2 |        3 |      13.50 |        4 |      12.960000 |
|     7 |       3 |        3 |      15.00 |        4 |      14.400000 |
|     7 |       4 |        5 |      30.00 |        1 |      29.700000 |
+-------+---------+----------+------------+----------+----------------+
11 rows in set (0.030 sec)
```

7)

```
SELECT ID_NF,
ID_ITEM,
COD_PROD,
VALOR_UNIT,
DESCONTO,
VALOR_UNIT-(VALOR_UNIT*(DESCONTO/100)) AS
"VALOR_DESCONTO",
(VALOR_UNIT-(VALOR_UNIT*(DESCONTO/100))) *
QUANTIDADE AS "SUBTOTAL"
FROM Vendidos;
```

```
MariaDB [db220406]> SELECT ID_NF,
    -> ID_ITEM,
    -> COD_PROD,
    -> VALOR_UNIT,
    -> DESCONTO,
    -> VALOR_UNIT-(VALOR_UNIT*(DESCONTO/100)) AS "VALOR_DESCONTO",
    -> (VALOR_UNIT-(VALOR_UNIT*(DESCONTO/100))) * QUANTIDADE AS "SUBTOTAL"
    -> FROM Vendidos;
+-------+---------+----------+------------+----------+----------------+------------+
| ID_NF | ID_ITEM | COD_PROD | VALOR_UNIT | DESCONTO | VALOR_DESCONTO | SUBTOTAL   |
+-------+---------+----------+------------+----------+----------------+------------+
|     1 |       1 |        1 |      25.00 |        5 |      23.750000 | 237.500000 |
|     1 |       2 |        2 |      13.50 |        0 |      13.500000 |  40.500000 |
|     1 |       3 |        3 |      15.00 |        0 |      15.000000 |  30.000000 |
|     1 |       4 |        4 |      10.00 |        0 |      10.000000 |  10.000000 |
|     1 |       5 |        5 |      30.00 |        0 |      30.000000 |  30.000000 |
|     2 |       1 |        3 |      15.00 |        0 |      15.000000 |  60.000000 |
|     2 |       2 |        4 |      10.00 |        0 |      10.000000 |  50.000000 |
|     2 |       3 |        5 |      30.00 |        0 |      30.000000 | 210.000000 |
|     3 |       1 |        1 |      25.00 |        0 |      25.000000 | 125.000000 |
|     3 |       2 |        4 |      10.00 |        0 |      10.000000 |  40.000000 |
|     3 |       3 |        5 |      30.00 |        0 |      30.000000 | 150.000000 |
|     3 |       4 |        2 |      13.50 |        0 |      13.500000 |  94.500000 |
|     4 |       1 |        5 |      30.00 |       15 |      25.500000 | 255.000000 |
|     4 |       2 |        4 |      10.00 |        5 |       9.500000 | 114.000000 |
|     4 |       3 |        1 |      25.00 |        5 |      23.750000 | 308.750000 |
|     4 |       4 |        2 |      13.50 |        5 |      12.825000 | 192.375000 |
|     5 |       1 |        3 |      15.00 |        0 |      15.000000 |  45.000000 |
|     5 |       2 |        5 |      30.00 |        0 |      30.000000 | 180.000000 |
|     6 |       1 |        1 |      25.00 |       15 |      21.250000 | 467.500000 |
|     6 |       2 |        3 |      15.00 |       20 |      12.000000 | 300.000000 |
|     7 |       1 |        1 |      25.00 |        3 |      24.250000 | 242.500000 |
|     7 |       2 |        3 |      13.50 |        4 |      12.960000 | 129.600000 |
|     7 |       3 |        3 |      15.00 |        4 |      14.400000 | 144.000000 |
|     7 |       4 |        5 |      30.00 |        1 |      29.700000 | 297.000000 |
+-------+---------+----------+------------+----------+----------------+------------+
24 rows in set (0.001 sec)
```

8)

SELECT ID_NF,
SUM((VALOR_UNIT-(VALOR_UNIT*(DESCONTO/100))) *
QUANTIDADE) AS "TOTAL_GERAL"
FROM Vendidos
GROUP BY ID_NF;

```
MariaDB [db220406]> SELECT ID_NF,
    -> SUM((VALOR_UNIT-(VALOR_UNIT*(DESCONTO/100))) * QUANTIDADE) AS "TOTAL_GERAL"
    -> FROM Vendidos
    -> GROUP BY ID_NF;
+-------+-------------+
| ID_NF | TOTAL_GERAL |
+-------+-------------+
|     1 |  348.000000 |
|     2 |  320.000000 |
|     3 |  409.500000 |
|     4 |  870.125000 |
|     5 |  225.000000 |
|     6 |  767.500000 |
|     7 |  813.100000 |
+-------+-------------+
7 rows in set (0.040 sec)
```