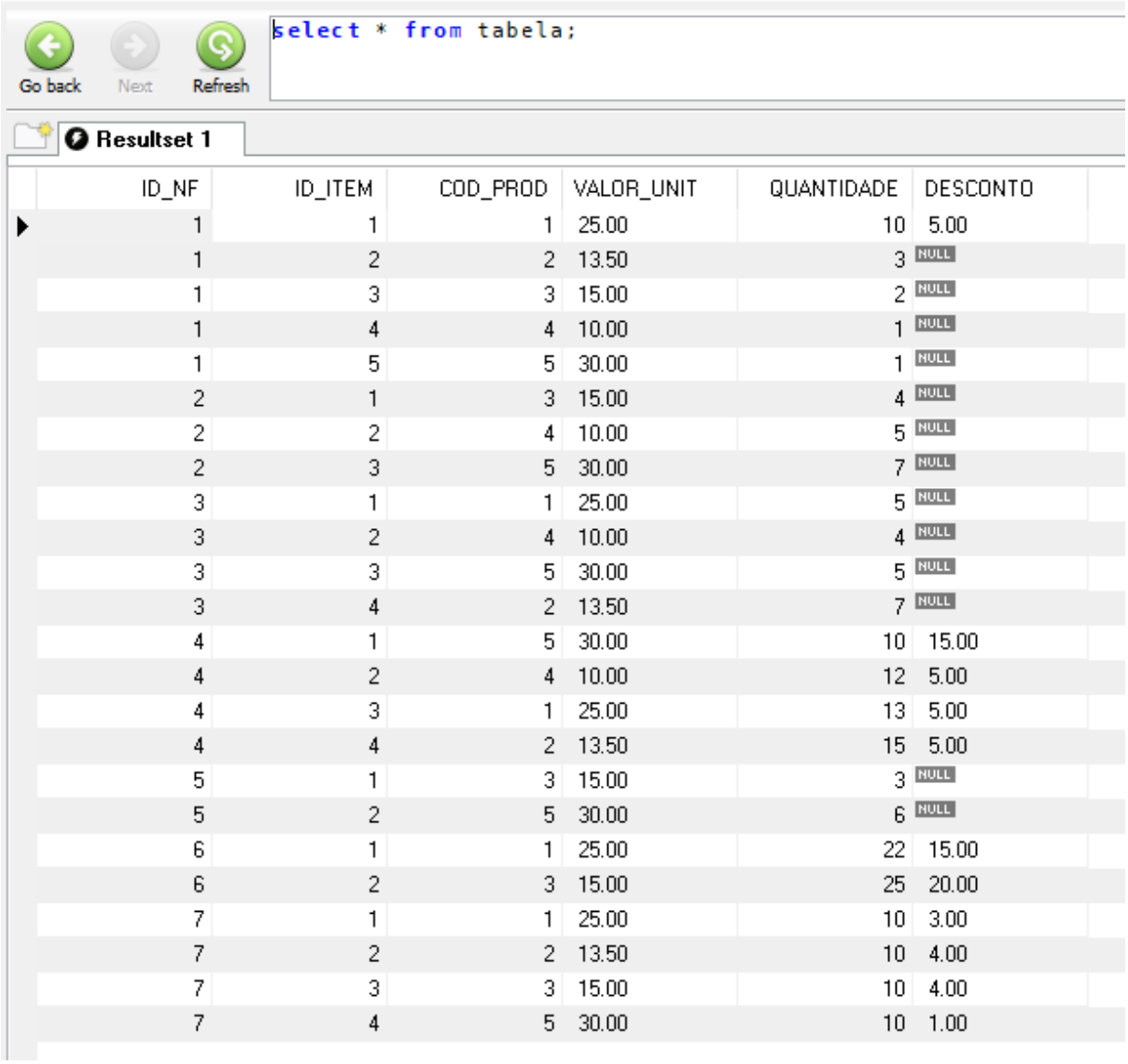
Tabela criada

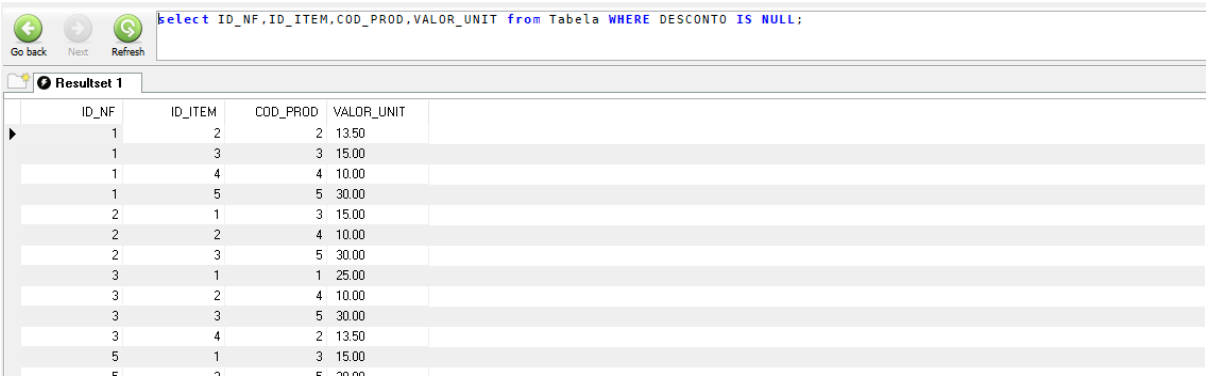
```
CREATE TABLE Tabela (
    ID_NF INT,
    ID_ITEM INT,
    COD_PROD INT,
    VALOR_UNIT DECIMAL(10, 2),
    QUANTIDADE INT,
    DESCONTO DECIMAL(5, 2)
);

INSERT INTO Tabela (ID_NF, ID_ITEM, COD_PROD, VALOR_UNIT, QUANTIDADE,
DESCONTO)
VALUES
(1, 1, 1, 25, 10, 5),
(1, 2, 2, 13.5, 3, NULL),
(1, 3, 3, 15, 2, NULL),
(1, 4, 4, 10, 1, NULL),
(1, 5, 5, 30, 1, NULL),
(2, 1, 3, 15, 4, NULL),
(2, 2, 4, 10, 5, NULL),
(2, 3, 5, 30, 7, NULL),
(3, 1, 1, 25, 5, NULL),
(3, 2, 4, 10, 4, NULL),
(3, 3, 5, 30, 5, NULL),
(3, 4, 2, 13.5, 7, NULL),
(4, 1, 5, 30, 10, 15),
(4, 2, 4, 10, 12, 5),
(4, 3, 1, 25, 13, 5),
(4, 4, 2, 13.5, 15, 5),
(5, 1, 3, 15, 3, NULL),
(5, 2, 5, 30, 6, NULL),
(6, 1, 1, 25, 22, 15),
(6, 2, 3, 15, 25, 20),
(7, 1, 1, 25, 10, 3),
(7, 2, 2, 13.5, 10, 4),
(7, 3, 3, 15, 10, 4),
(7, 4, 5, 30, 10, 1);
```



ID_NF	ID_ITEM	COD_PROD	VALOR_UNIT	QUANTIDADE	DESCONTO
1	1	1	25.00	10	5.00
1	2	2	13.50	3	NULL
1	3	3	15.00	2	NULL
1	4	4	10.00	1	NULL
1	5	5	30.00	1	NULL
2	1	3	15.00	4	NULL
2	2	4	10.00	5	NULL
2	3	5	30.00	7	NULL
3	1	1	25.00	5	NULL
3	2	4	10.00	4	NULL
3	3	5	30.00	5	NULL
3	4	2	13.50	7	NULL
4	1	5	30.00	10	15.00
4	2	4	10.00	12	5.00
4	3	1	25.00	13	5.00
4	4	2	13.50	15	5.00
5	1	3	15.00	3	NULL
5	2	5	30.00	6	NULL
6	1	1	25.00	22	15.00
6	2	3	15.00	25	20.00
7	1	1	25.00	10	3.00
7	2	2	13.50	10	4.00
7	3	3	15.00	10	4.00
7	4	5	30.00	10	1.00

1 -
select ID_NF,ID_ITEM,COD_PROD,VALOR_UNIT from Tabela WHERE DESCONTO IS NULL;

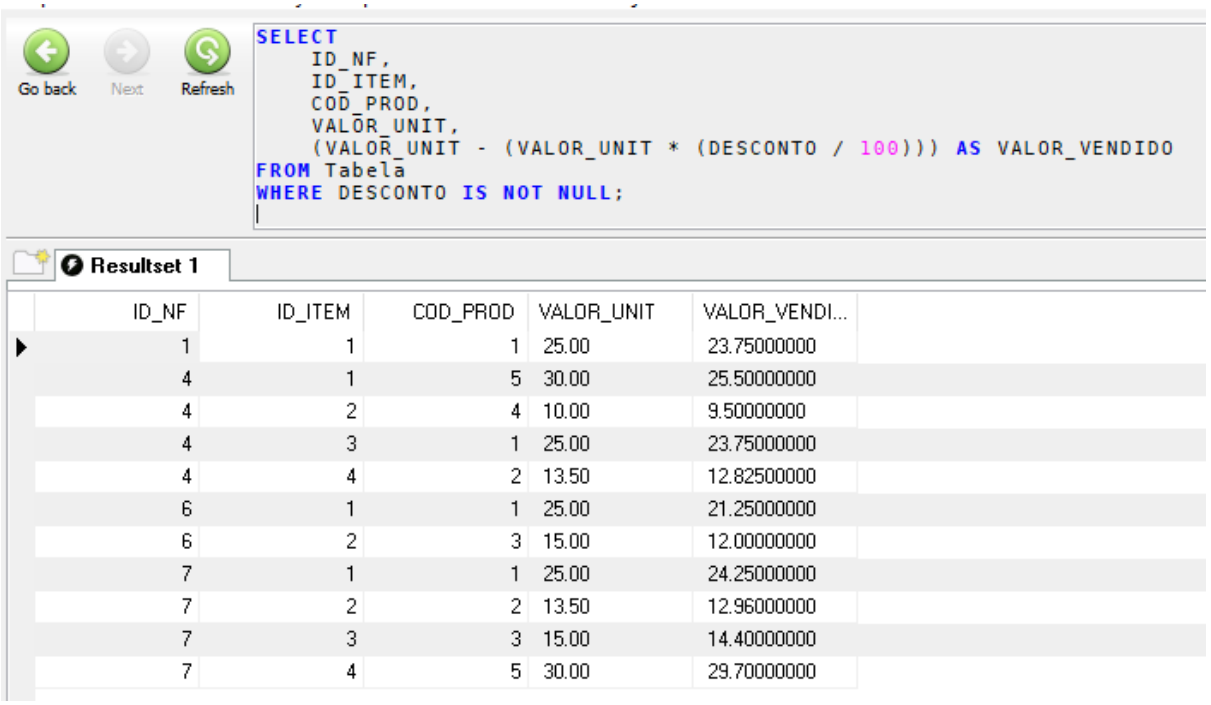


ID_NF	ID_ITEM	COD_PROD	VALOR_UNIT
1	2	2	13.50
1	3	3	15.00
1	4	4	10.00
1	5	5	30.00
2	1	3	15.00
2	2	4	10.00
2	3	5	30.00
3	1	1	25.00
3	2	4	10.00
3	3	5	30.00
3	4	2	13.50
5	1	3	15.00

---

2 -

```
SELECT
    ID_NF,
    ID_ITEM,
    COD_PROD,
    VALOR_UNIT,
    (VALOR_UNIT - (VALOR_UNIT * (DESCONTO / 100))) AS VALOR_VENDIDO
FROM Tabela
WHERE DESCONTO IS NOT NULL;
```



ID_NF	ID_ITEM	COD_PROD	VALOR_UNIT	VALOR_VENDI...
1	1	1	25.00	23.75000000
4	1	5	30.00	25.50000000
4	2	4	10.00	9.50000000
4	3	1	25.00	23.75000000
4	4	2	13.50	12.82500000
6	1	1	25.00	21.25000000
6	2	3	15.00	12.00000000
7	1	1	25.00	24.25000000
7	2	2	13.50	12.96000000
7	3	3	15.00	14.40000000
7	4	5	30.00	29.70000000

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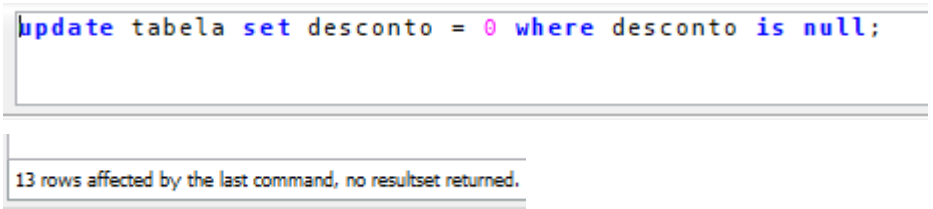
3 - update tabela set desconto = 0 where desconto is null;



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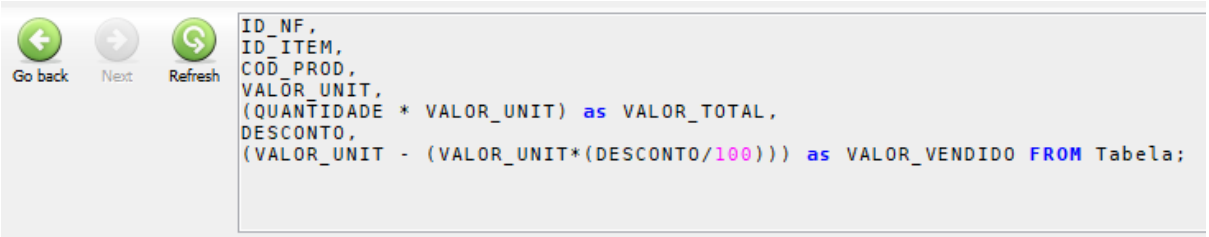
4 -

```
select
ID_NF,
ID_ITEM,
COD_PROD,
VALOR_UNIT,
(QUANTIDADE * VALOR_UNIT) as VALOR_TOTAL,
DESCONTO,
(VALOR_UNIT - (VALOR_UNIT*(DESCONTO/100))) as VALOR_VENDIDO FROM Tabela;
```

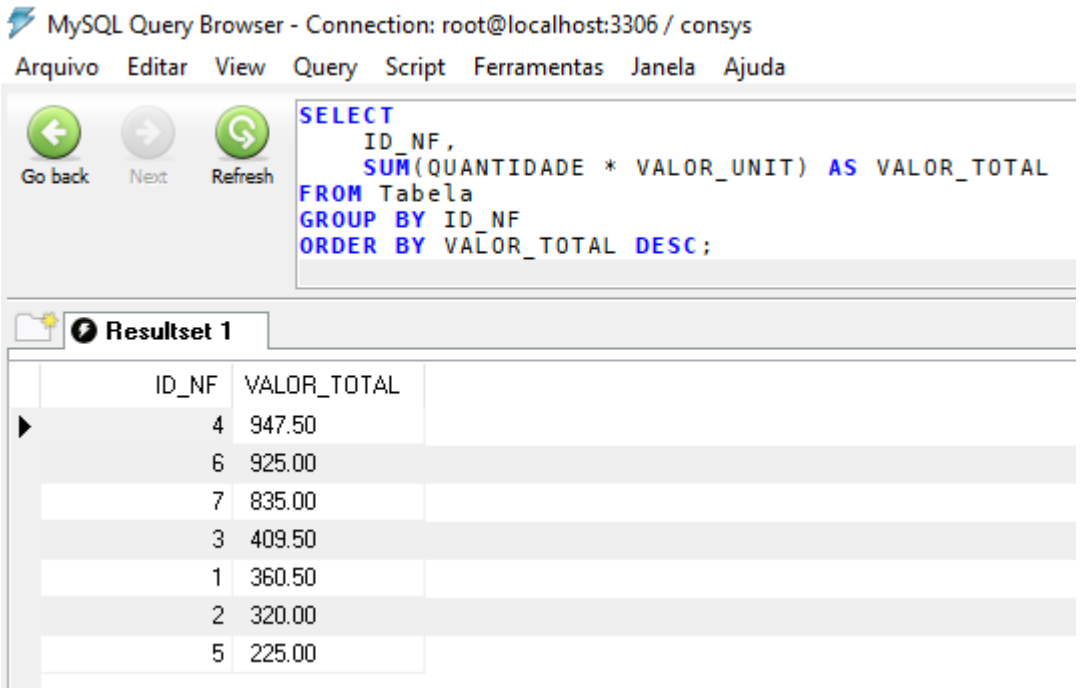


Resultset 1

ID_NF	ID_ITEM	COD_PROD	VALOR_UNIT	VALOR_TOTAL	DESCONTO	VALOR_VENDIDO
1	1	1	25.00	250.00	5.00	23.75000000
1	2	2	13.50	40.50	0.00	13.50000000
1	3	3	15.00	30.00	0.00	15.00000000
1	4	4	10.00	10.00	0.00	10.00000000
1	5	5	30.00	30.00	0.00	30.00000000
2	1	3	15.00	60.00	0.00	15.00000000
2	2	4	10.00	50.00	0.00	10.00000000
2	3	5	30.00	210.00	0.00	30.00000000
3	1	1	25.00	125.00	0.00	25.00000000
3	2	4	10.00	40.00	0.00	10.00000000
3	3	5	30.00	150.00	0.00	30.00000000
3	4	2	13.50	94.50	0.00	13.50000000
4	1	5	30.00	300.00	15.00	25.50000000
4	2	4	10.00	120.00	5.00	9.50000000
4	3	1	25.00	325.00	5.00	23.75000000
4	4	2	13.50	202.50	5.00	12.82500000
5	1	3	15.00	45.00	0.00	15.00000000
5	2	5	30.00	180.00	0.00	30.00000000
6	1	1	25.00	550.00	15.00	21.25000000
6	2	3	15.00	375.00	20.00	12.00000000
7	1	1	25.00	250.00	3.00	24.25000000
7	2	2	13.50	135.00	4.00	12.96000000
7	3	3	15.00	150.00	4.00	14.40000000

5-

```
SELECT
   ID_NF,
   SUM(QUANTIDADE * VALOR_UNIT) AS VALOR_TOTAL
FROM Tabela
GROUP BY ID_NF
ORDER BY VALOR_TOTAL DESC;
```

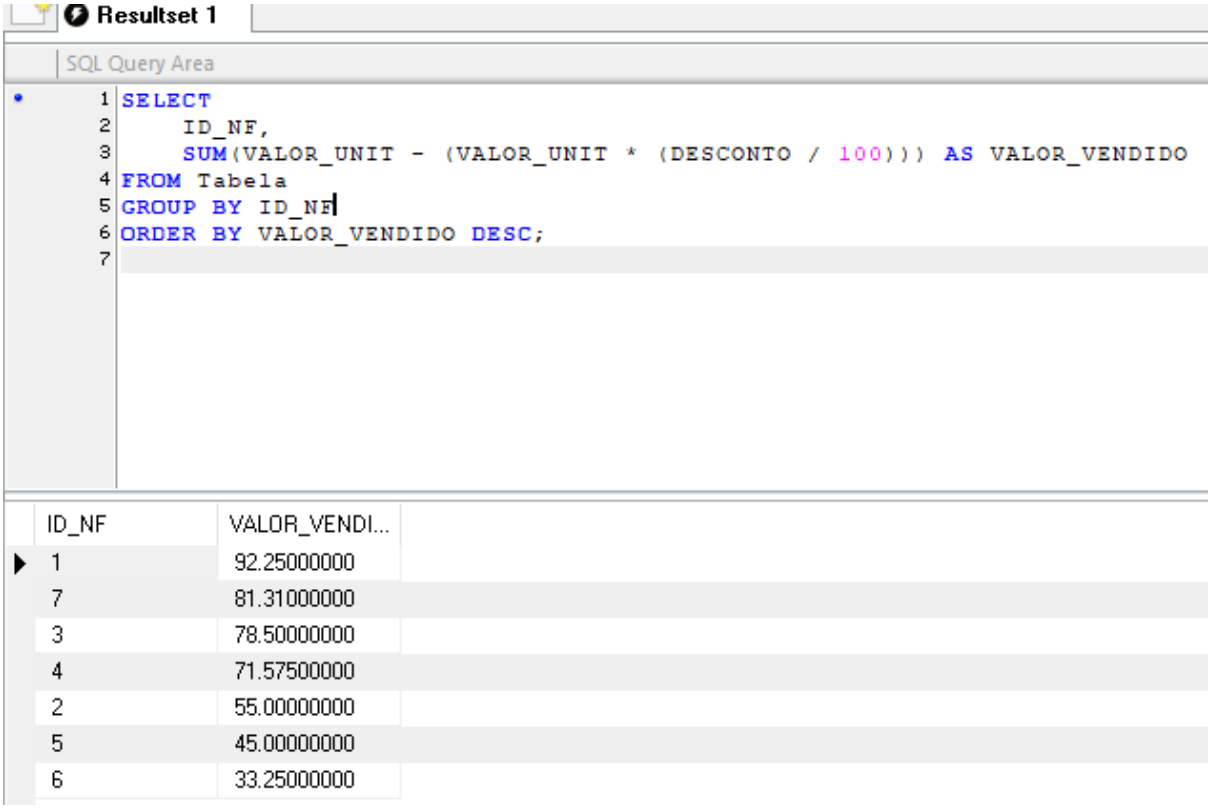


ID_NF	VALOR_TOTAL
4	947.50
6	925.00
7	835.00
3	409.50
1	360.50
2	320.00
5	225.00

---

6 - (Acredito que o enunciado não esteja devido)

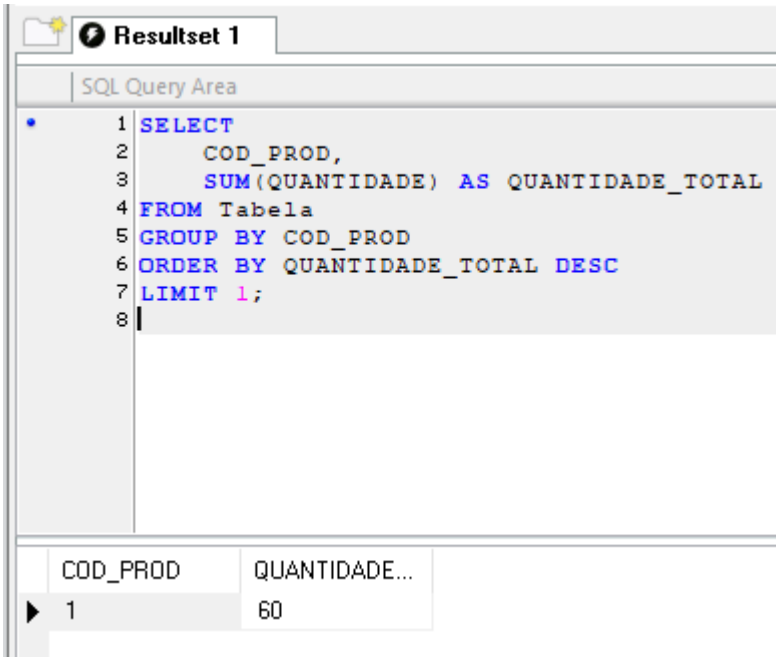
```
SELECT
    ID_NF,
    SUM(VALOR_UNIT - (VALOR_UNIT * (DESCONTO / 100))) AS VALOR_VENDIDO
FROM Tabela
GROUP BY ID_NF
ORDER BY VALOR_VENDIDO DESC;
```



ID_NF	VALOR_VENDI...
1	92.25000000
7	81.31000000
3	78.50000000
4	71.57500000
2	55.00000000
5	45.00000000
6	33.25000000

7 -

```
SELECT
    COD_PROD,
    SUM(QUANTIDADE) AS QUANTIDADE_TOTAL
FROM Tabela
GROUP BY COD_PROD
ORDER BY QUANTIDADE_TOTAL DESC
LIMIT 1;
```



8-

```
SELECT
    ID_NF,
    COD_PROD,
    SUM(QUANTIDADE) AS QUANTIDADE
FROM Tabela
GROUP BY ID_NF, COD_PROD
HAVING SUM(QUANTIDADE) > 10;
```

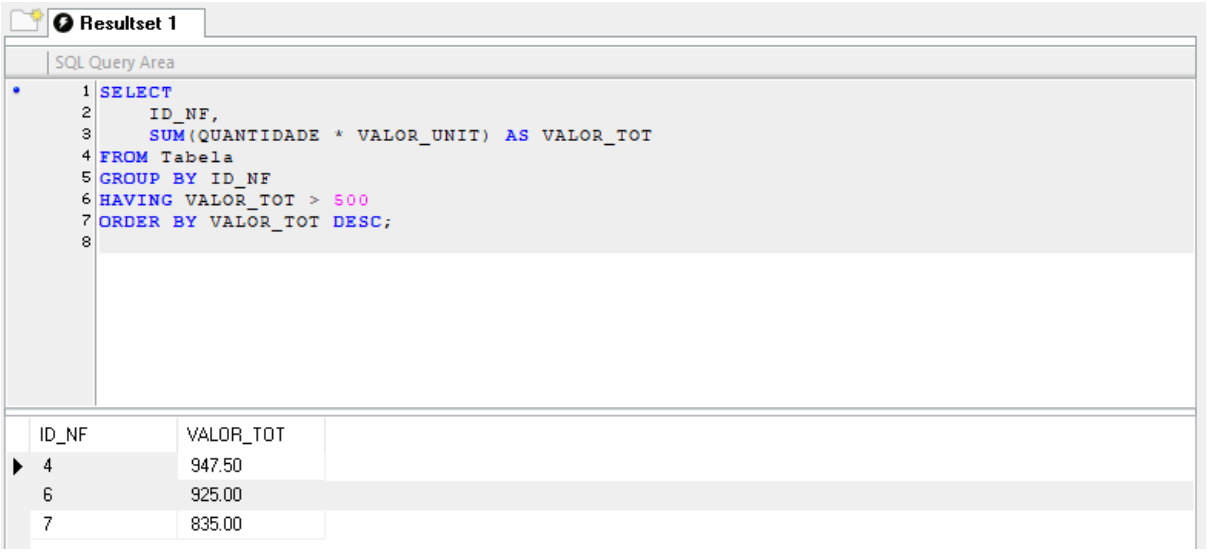
SQL Query Area

```
1  SELECT
2      ID_NF,
3      COD_PROD,
4      SUM(QUANTIDADE) AS QUANTIDADE
5  FROM Tabela
6  GROUP BY ID_NF, COD_PROD
7  HAVING SUM(QUANTIDADE) > 10;
```

ID_NF	COD_PROD	QUANTIDADE
4	1	13
4	2	15
4	4	12
6	1	22
6	3	25

9 -

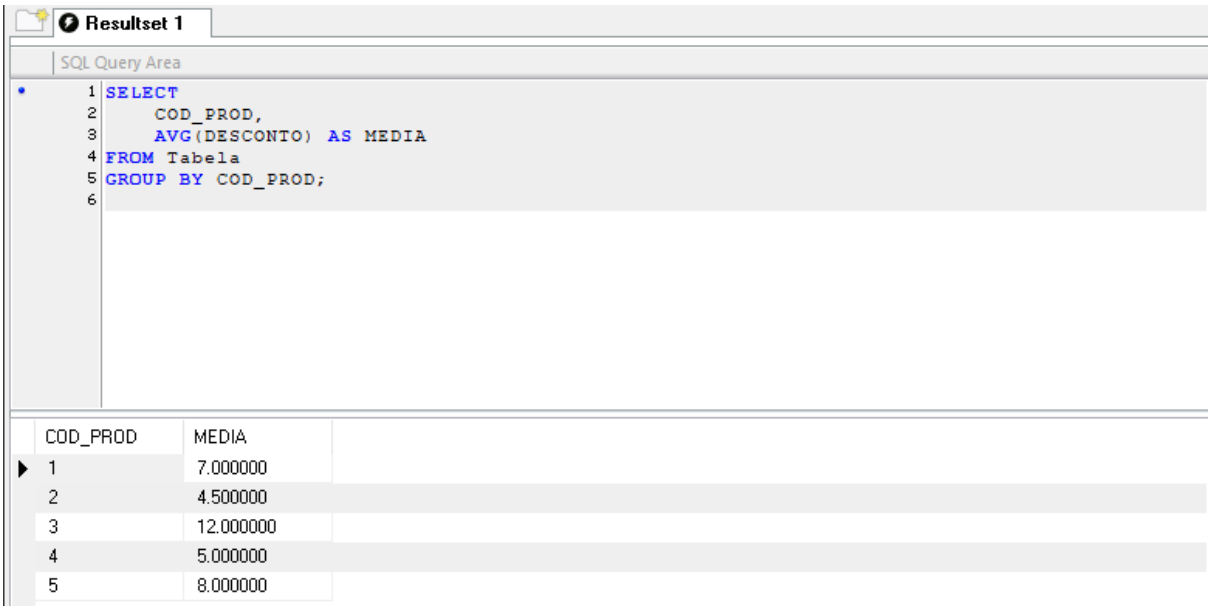
```
SELECT
    ID_NF,
    SUM(QUANTIDADE * VALOR_UNIT) AS VALOR_TOT
FROM Tabela
GROUP BY ID_NF
HAVING VALOR_TOT > 500
ORDER BY VALOR_TOT DESC;
```



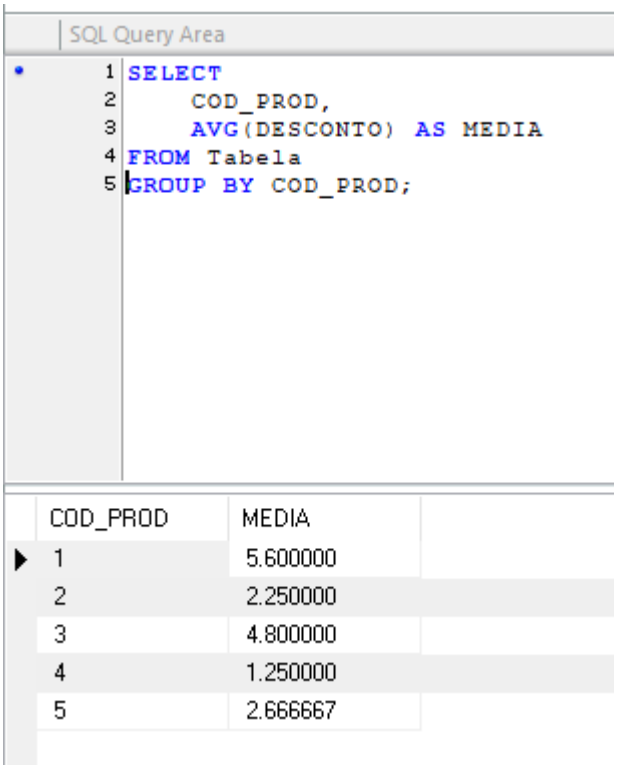
10 -

```
SELECT
   COD_PROD,
   AVG(DESCONTO) AS MEDIA
FROM Tabela
GROUP BY COD_PROD;
```

(Tabela com desconto null)

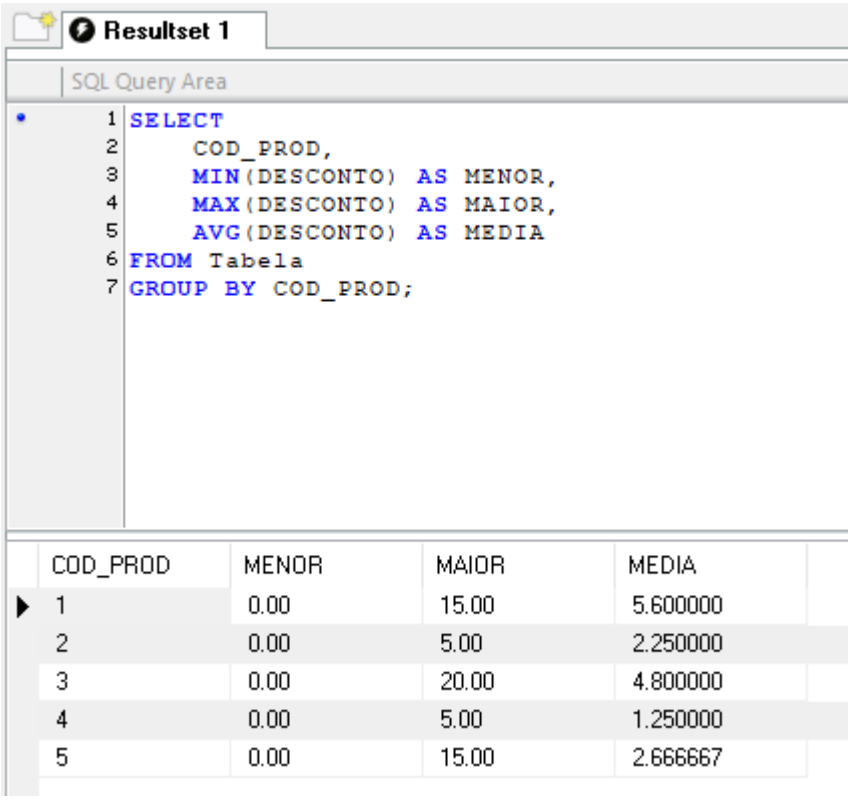


(Tabela com desconto 0)



11 -

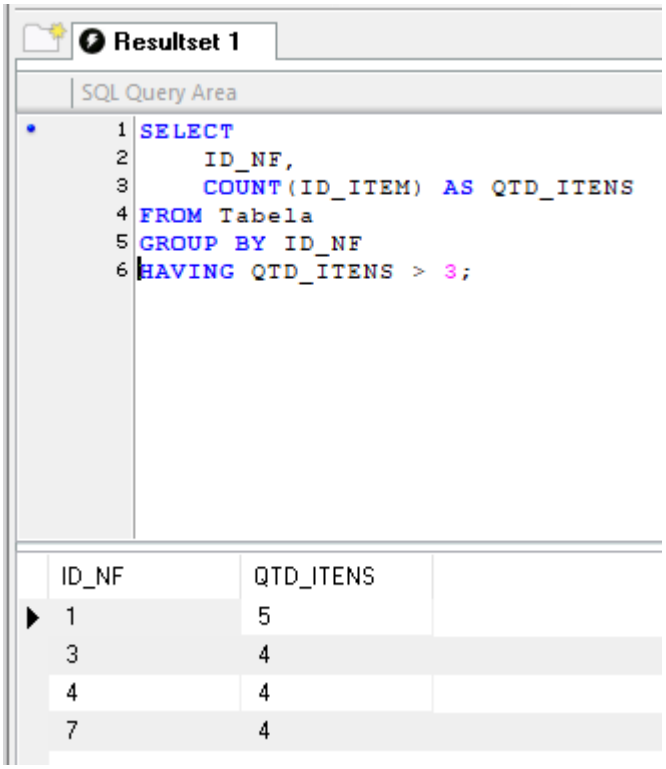
```
SELECT
    COD_PROD,
    MIN(DESCONTO) AS MENOR,
    MAX(DESCONTO) AS MAIOR,
    AVG(DESCONTO) AS MEDIA
FROM Tabela
GROUP BY COD_PROD;
```



COD_PROD	MENOR	MAIOR	MEDIA
1	0.00	15.00	5.600000
2	0.00	5.00	2.250000
3	0.00	20.00	4.800000
4	0.00	5.00	1.250000
5	0.00	15.00	2.666667

12 -

```
SELECT
    ID_NF,
    COUNT(ID_ITEM) AS QTD_ITENS
FROM Tabela
GROUP BY ID_NF
HAVING QTD_ITENS > 3;
```



ID_NF	QTD_ITENS
1	5
3	4
4	4
7	4