Lista - 9

```
1)
a)
       CREATE VIEW conveniopacientes AS
  1
           SELECT DISTINCT DESC CONVENIO, COUNT(*) AS numero pacientes
  2
  3
           FROM convenio
  4
           JOIN paciente ON convenio.COD CONVENIO=paciente.CONV PAC
  5
           GROUP BY convenio.DESC CONVENIO;
b)
    1 • select * FROM conveniopacientes WHERE numero pacientes>2;
Result Grid 🎚 🙌 Filter Rows: 🔾
                                             Export: Wrap Cell Content: 1A
     DESC CONVENIO
                       numero paciente
     Unimed - código 11347 3
c)
 1
       CREATE VIEW pacientesatendidos AS
           SELECT paciente.NM PAC, paciente.DT NASC FROM atendimento
 2
 3
           JOIN paciente ON atendimento.CD_PAC=paciente.CD_PAC
           GROUP BY paciente.CD PAC
 5
           HAVING COUNT(*)>2;
d)
```

Lista - 9

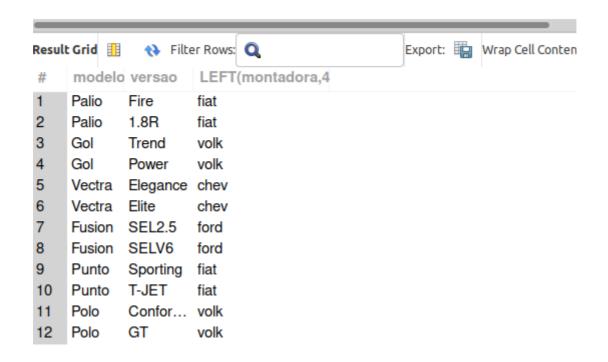
2)

a)

	1 • s	elect mo	delo,versao,UCASE(mont	adora)	FRO	M carros;
Result Grid						
#	modelo	versao	UCASE(montadora			
1	Palio	Fire	FIAT			
2	Palio	1.8R	FIAT			
3	Gol	Trend	VOLKSWAGEN			
4	Gol	Power	VOLKSWAGEN			
5	Vectra	Elegance	CHEVROLET			
6	Vectra	Elite	CHEVROLET			
7	Fusion	SEL2.5	FORD			
8	Fusion	SELV6	FORD			
9	Punto	Sporting	FIAT			
10	Punto	T-JET	FIAT			
11	Polo		VOLKSWAGEN			
12	Polo	GT	VOLKSWAGEN			

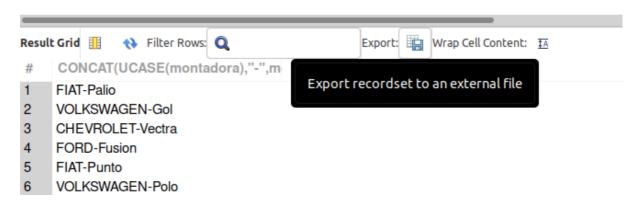
b)

1 SELECT modelo, versao, LEFT(montadora, 4) FROM carros;

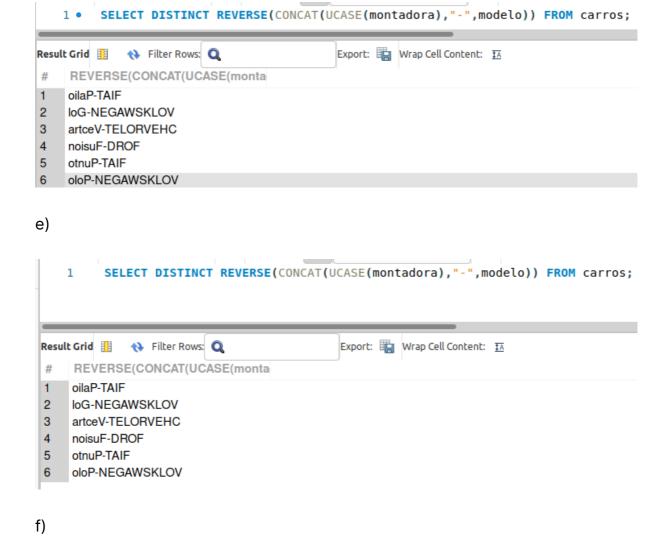


c)

1 • SELECT DISTINCT CONCAT(UCASE(montadora), "-", modelo) FROM carros;



d)



```
SELECT montadora, modelo,
          1 •
          2
                     ROUND(RAND() * (10.00 - 0.00), 2) + 0 AS nota
          3
                     FROM carros ORDER BY nota;
      Result Grid
                                                         Export: iii Wrap Cell Cc
                     Filter Rows: Q
           montadora modelo nota
      1
           chevrolet
                      Vectra 0.18
      2
           volkswagen Gol
                              0.85
      3
           chevrolet
                      Vectra 1.25
      4
                      Palio
                              2.57
           fiat
      5
           volkswagen Polo
                              3.72
      6
           ford
                      Fusion 4.76
      7
           ford
                      Fusion 5.7
      8
           volkswagen Polo
                              6.32
      9
                              6.55
           volkswagen Gol
      10
                              6.72
           fiat
                      Punto
                              7.33
      11
                       Palio
           fiat
      12
           fiat
                      Punto
                              9.29
g)
          SELECT montadora, modelo,
    1
               CEILING(ROUND(RAND() * (10.00 - 0.00), 2) + 0) AS nota
    2
    3
               FROM carros ORDER BY nota;
               🙌 Filter Rows: 🔍
Result Grid
                                                  Export: Im Wrap Cell Content: IA
     montadora modelo nota
1
     fiat
                Palio
                        1
2
     volkswagen Polo
3
     volkswagen Gol
                        3
4
     chevrolet
                        3
                Vectra
5
     fiat
                Punto
                        3
6
                        3
     volkswagen Polo
7
                        4
     fiat
                Punto
8
     chevrolet
                Vectra
                        5
9
     ford
                Fusion
                        5
10
                Palio
                        10
     fiat
11
     volkswagen Gol
                        10
                Fusion 10
12
     ford
```

h)

```
SELECT montadora, modelo,
    2
               FLOOR(ROUND(RAND() * (10.00 - 0.00), 2) + 0) AS nota
               FROM carros ORDER BY nota;
    3
Result Grid
              🙌 Filter Rows: 🔍
                                                Export: Wrap Cell Content: IA
     montadora modelo nota
1
    fiat
                Palio
                       0
2
    chevrolet
                Vectra 0
3
     fiat
                Palio
                       1
4
    fiat
                Punto
5
    ford
                Fusion 2
6
    volkswagen Gol
                       3
7
    chevrolet
                Vectra
                       3
8
    ford
                Fusion
9
    volkswagen Polo
10
    volkswagen Polo
                       6
11
    volkswagen Gol
                       9
12
                Punto
                       9
    fiat
```

i)

```
1 • SELECT montadora, modelo,
2     ROUND(RAND(1) * (10.00 - 0.00),2) + 0 AS NOTA
3     FROM carros ORDER BY NOTA;
```

```
Export: Wrap Cell Con
    montadora modelo NOTA
1
    volkswa... Polo
                     0.25
2
    chevrolet
              Vectra 0.47
3
    volkswa... Gol
                     0.94
4
    volkswa... Gol
                     1.42
5
    volkswa...
              Polo
                     1.78
6
    fiat
              Punto 1.85
7
    ford
              Fusion 2.04
8
    fiat
              Punto 3.16
9
    fiat
              Palio
                     4.05
10
    ford
              Fusion 6.11
                     8.72
11
    fiat
              Palio
12
    chevrolet
              Vectra 9.5
```

```
j)
```

```
1    CREATE FUNCTION preco_estimado (cilindrada INT)
2    RETURNS INT
3    READS SQL DATA
4    DETERMINISTIC
5    RETURN cilindrada*25 + ROUND(RAND() * POW(cilindrada,3) - cilindrada);
```

k)

SELECT montadora,modelo,versao,preco_estimado(cilindrada) as preco_estimado
FROM carros ORDER BY preco_estimado;

```
Export: Wrap Cell Content: 🚁
montadora modelo versao
                              preco_estimade
1
    volkswagen Gol
                              24379
                    Trend
2
    fiat
              Palio
                    Fire
                              25908
3
    fiat
              Punto T-JET
                              33970
4
                    Power
                              40372
    volkswagen Gol
   volkswagen Polo
5
                    Confortline 41545
6
              Punto Sporting
    fiat
                              44614
7
              Palio
                    1.8R
                              45397
8
    volkswagen Polo
                    GT
                              48068
9
              Vectra Elite
                              48875
    chevrolet
10 chevrolet
              Vectra Elegance 52054
11
   ford
              Fusion SEL2.5
                              65267
              Fusion SELV6
12 ford
                              72664
I)
```

```
DELIMITER |
 2
      CREATE FUNCTION max cilindrada (montadora param CHAR(20))
 3
      RETURNS CHAR(255)
 5
      READS SOL DATA
      DETERMINISTIC
 6
 7

→ BEGIN

 8
          DECLARE res CHAR(255);
          SET res=(SELECT CONCAT(
9
10
                          UCASE(montadora),", ",
11
                          modelo," ",versao,", ",
                          cilindrada," cilindradas"
12
13
                      )
14
                  FROM carros WHERE montadora=montadora_param
15
                      and cilindrada=(
16
                  SELECT MAX(cilindrada) FROM carros WHERE montadora=montadora param)
17
                  ORDER BY modelo, versao
18
                  LIMIT 1);
19
          RETURN res;
20
    END;
21
22
      DELIMITER;
```

m)

Lista - 9

Result Grid Filter Rows: Export: Wrap Cell Content:
max_cilindrada(montadora)

1 FIAT, Palio 1.8R, 1800 cilindradas
2 VOLKSWAGEN, Polo GT, 2000 cilin...
3 CHEVROLET, Vectra Elegance, 20...
4 FORD, Fusion SELV6, 3000 cilindr...

Lista - 9