

# Lista - 9

1)

a)

```
1 CREATE VIEW conveniopacientes AS
2 SELECT DISTINCT DESC_CONVENIO, COUNT(*) AS numero_pacientes
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:
#	DESC_CONVENIO	numero_paciente			
1	Unimed - código 11347	3			

c)

```
1 CREATE VIEW pacientesatendidos AS
2 SELECT paciente.NM_PAC, paciente.DT_NASC FROM atendimento
3 JOIN paciente ON atendimento.CD_PAC=paciente.CD_PAC
4 GROUP BY paciente.CD_PAC
5 HAVING COUNT(*)>2;
```

d)

```

1 • SELECT * FROM pacientesatendidos
2     WHERE NM_PAC LIKE "S%" OR "R%";

```

#	NM_PAC	DT_NASC
1	Solange A. Andrade	1969-08-10
2	Sara Carmelina O.Viana	1973-01-25

2)

a)

```

1 • select modelo,versao,UCASE(montadora) FROM carros;

```

#	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	Confor...	VOLKSWAGEN
12	Polo	GT	VOLKSWAGEN

b)

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

Result Grid			
Filter Rows:			
Export: Wrap Cell Content			
#	modelo	versao	LEFT(montadora,4
1	Palio	Fire	fiat
2	Palio	1.8R	fiat
3	Gol	Trend	volk
4	Gol	Power	volk
5	Vectra	Elegance	chev
6	Vectra	Elite	chev
7	Fusion	SEL2.5	ford
8	Fusion	SELV6	ford
9	Punto	Sporting	fiat
10	Punto	T-JET	fiat
11	Polo	Confor...	volk
12	Polo	GT	volk

c)

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

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

#	CONCAT(UCASE(montadora), "-", m
1	FIAT-Palio
2	VOLKSWAGEN-Gol
3	CHEVROLET-Vectra
4	FORD-Fusion
5	FIAT-Punto
6	VOLKSWAGEN-Polo

Export recordset to an external file

Export recordset to an external file

d)

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

#	REVERSE(CONCAT(UCASE(monta
1	oilaP-TAIF
2	loG-NEGAWSKLOV
3	artceV-TELORVEHC
4	noisuF-DROF
5	otnuP-TAIF
6	oloP-NEGAWSKLOV

e)

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

#	REVERSE(CONCAT(UCASE(monta
1	oilaP-TAIF
2	loG-NEGAWSKLOV
3	artceV-TELORVEHC
4	noisuF-DROF
5	otnuP-TAIF
6	oloP-NEGAWSKLOV

f)

```

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

```

#	montadora	modelo	nota
1	chevrolet	Vectra	0.18
2	volkswagen	Gol	0.85
3	chevrolet	Vectra	1.25
4	fiat	Palio	2.57
5	volkswagen	Polo	3.72
6	ford	Fusion	4.76
7	ford	Fusion	5.7
8	volkswagen	Polo	6.32
9	volkswagen	Gol	6.55
10	fiat	Punto	6.72
11	fiat	Palio	7.33
12	fiat	Punto	9.29

g)

```

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

```

#	montadora	modelo	nota
1	fiat	Palio	1
2	volkswagen	Polo	2
3	volkswagen	Gol	3
4	chevrolet	Vectra	3
5	fiat	Punto	3
6	volkswagen	Polo	3
7	fiat	Punto	4
8	chevrolet	Vectra	5
9	ford	Fusion	5
10	fiat	Palio	10
11	volkswagen	Gol	10
12	ford	Fusion	10

h)

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

#	montadora	modelo	nota
1	fiat	Palio	0
2	chevrolet	Vectra	0
3	fiat	Palio	1
4	fiat	Punto	1
5	ford	Fusion	2
6	volkswagen	Gol	3
7	chevrolet	Vectra	3
8	ford	Fusion	4
9	volkswagen	Polo	6
10	volkswagen	Polo	6
11	volkswagen	Gol	9
12	fiat	Punto	9

i)

```

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

```

Result Grid			
Filter Rows:			
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
11	fiat	Palio	8.72
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)

```

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

```

Result Grid				
Filter Rows: <input type="text"/>				
Export: <input type="text"/> Wrap Cell Content: <input type="text"/>				
#	montadora	modelo	versao	preco_estimado
1	volkswagen	Gol	Trend	24379
2	fiat	Palio	Fire	25908
3	fiat	Punto	T-JET	33970
4	volkswagen	Gol	Power	40372
5	volkswagen	Polo	Confortline	41545
6	fiat	Punto	Sporting	44614
7	fiat	Palio	1.8R	45397
8	volkswagen	Polo	GT	48068
9	chevrolet	Vectra	Elite	48875
10	chevrolet	Vectra	Elegance	52054
11	ford	Fusion	SEL2.5	65267
12	ford	Fusion	SELV6	72664

l)

```

1  DELIMITER |
2
3  CREATE FUNCTION max_cilindrada (montadora_param CHAR(20))
4  RETURNS CHAR(255)
5  READS SQL DATA
6  DETERMINISTIC
7  BEGIN
8      DECLARE res CHAR(255);
9      SET res=(SELECT CONCAT(
10                  UCASE(montadora)," ",
11                  modelo," ",versao," ",
12                  cilindrada," cilindradas"
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)



1 • **SELECT DISTINCT** max\_cilindrada(montadora) **from** carros;

Result Grid	
Filter Rows: <input type="text"/>	
Export: <input type="button" value="Export"/> Wrap Cell Content: <input type="checkbox"/>	
#	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...