



Universidade Federal de Viçosa – Campus UFV-Florestal
Ciência da Computação – Banco de Dados
Professor: Daniel Mendes Barbosa
Lista de Exercícios 9 – Visões e Funções

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QUESTÃO 1

lista9 - exercicio 1 - Configuracao Inicial apenas* ✖

```
83 (2, '1997-07-10', 'Tendinite dos extensores de 2º e 3º pododactilos do pé E. fez tratº. com AINE por o3 dias sem
84 melhora
85 Ao ex. dor, edema dorso do pé E. e dific. para marcha.');
```

```
86
87
88 -- fim da configuracao inicial do exercicio 1
89
90 #a)
91 • CREATE VIEW conveniopacientes AS
92 SELECT DISTINCT desc_convenio, COUNT(*) AS qtd_pacientes
93 FROM convenio JOIN paciente ON conv_pac = cod_convenio
94 GROUP BY desc_convenio;
```

Action Output

#	Time	Action	Message	Duration / Fetch
1	11:04:14	CREATE VIEW conveniopacientes AS SELECT DISTINCT de...	0 row(s) affected	0,541 sec

lista9 - exercicio 1 - Configuracao Inicial apenas* ✖

```
92 SELECT DISTINCT desc_convenio, COUNT(*) AS qtd_pacientes
93 FROM convenio JOIN paciente ON conv_pac = cod_convenio
94 GROUP BY desc_convenio;
95
96 #b)
97 • SELECT *
98 FROM conveniopacientes
99 WHERE qtd_pacientes > 2;
```

Result Grid

#	desc_convenio	qtd_paciente
1	Unimed - código 11347	3

conveniopacientes 1 ✖

Action Output

#	Time	Action	Message	Duration / Fetch
1	11:04:59	SELECT * FROM conveniopacientes WHERE qtd_paciente...	1 row(s) returned	0,244 sec / 0,00001...

lista9 - exercicio 1 - Configuracao Inicial apenas* ✖

```

93 FROM convenio JOIN paciente ON conv_pac = cod_convenio
94 GROUP BY desc_convenio;
95
96 #b)
97 • SELECT *
98 FROM conveniopacientes
99 WHERE qtd_pacientes > 2;
100
101 #c)
102 • CREATE VIEW pacientesatendidos AS
103 SELECT DISTINCT nm_pac, dt_nasc
104 FROM paciente
105 WHERE ( SELECT COUNT(*)
106 FROM atendimento NATURAL JOIN paciente) > 2;

```

Action Output

#	Time	Action	Message	Duration / Fetch
1	11:11:45	CREATE VIEW pacientesatendidos AS SELECT DISTINCT n...	0 row(s) affected	0,767 sec

lista9 - exercicio 1 - Configuracao Inicial apenas* ✖

```

103 SELECT DISTINCT nm_pac, dt_nasc
104 FROM paciente
105 WHERE ( SELECT COUNT(*)
106 FROM atendimento NATURAL JOIN paciente) > 2;
107
108 #d)
109 • SELECT *
110 FROM pacientesatendidos
111 WHERE nm_pac LIKE 'S%' OR nm_pac LIKE 'R%';

```

Result Grid

#	nm_pac	dt_nasc
1	Rita de Fátima S. Costa	1955-10-07
2	Solange A. Andrade	1969-08-10
3	Sara Carmelina O.Viana	1973-01-25

pacientesatendidos 2 ✖

Action Output

#	Time	Action	Message	Duration / Fetch
1	11:11:45	CREATE VIEW pacientesatendidos AS SELECT DISTINCT n...	0 row(s) affected	0,767 sec
2	14:28:56	SELECT * FROM pacientesatendidos WHERE nm_pac LIK...	3 row(s) returned	0,218 sec / 0,00004...

QUESTÃO 2

lista9 - exercicio 2 - Configuracao Inicial apenas* ✖

```

35 • SELECT modelo, versao, UPPER(montadora)
36 FROM carros;

```

Result Grid

#	modelo	versao	UPPER(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

Result 1 ✖

Action Output

#	Time	Action	Message	Duration / Fetch
1	14:54:03	SELECT modelo, versao, UPPER(montadora) FROM carro...	12 row(s) returned	0,035 sec / 0,00003...

lista9 - exercicio 2 - Configuracao Inicial apenas*

Limit to 1000 rows

38

#b)

39

•

SELECT modelo, versao, LEFT(montadora, 4)

40

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

Result 2

Read Only

Action Output

#	Time	Action	Message	Duration / Fetch
1	14:58:26	SELECT modelo, versao, LEFT(montadora, 4) FROM carr...	12 row(s) returned	0,0011 sec / 0,0000...

lista9 - exercicio 2 - Configuracao Inicial apenas*

Limit to 1000 rows

42

#c)

43

•

SELECT CONCAT(UPPER(montadora), "-", LOWER(modelo))

44

FROM carros;

Result Grid

Filter Rows

Export

Wrap Cell Content

#	CONCAT(UPPER(montadora), "-", l
1	FIAT-palio
2	FIAT-palio
3	VOLKSWAGEN-gol
4	VOLKSWAGEN-gol
5	CHEVROLET-vectra
6	CHEVROLET-vectra
7	FORD-fusion
8	FORD-fusion
9	FIAT-punto
10	FIAT-punto
11	VOLKSWAGEN-polo
12	VOLKSWAGEN-polo

Result 11

Read Only

Action Output

#	Time	Action	Message	Duration / Fetch
1	15:30:17	SELECT CONCAT(UPPER(montadora), "-", LOWER(model...	12 row(s) returned	0,00085 sec / 0,000...

lista9 - exercicio 2 - Configuracao Inicial apenas*

Limit to 1000 rows

42

#c)

43

•

SELECT CONCAT(UPPER(montadora), "-", LOWER(modelo))

44

FROM carros;

45

46

#d)

47

•

SELECT DISTINCT REVERSE(CONCAT(UPPER(montadora), "-", LOWER(modelo)))

48

FROM carros;

Result Grid

Filter Rows

Export

Wrap Cell Content

#	REVERSE(CONCAT(UPPER(monta
1	oilap-TAIF
2	log-NEGAWSKLOV
3	artcev-TELORVEHC
4	noisuf-DROF
5	otnup-TAIF
6	olop-NEGAWSKLOV

Result 12

Read Only

Action Output

#	Time	Action	Message	Duration / Fetch
1	15:31:24	SELECT DISTINCT REVERSE(CONCAT(UPPER(montadora),...	6 row(s) returned	0,0011 sec / 0,0000...

lista9 - exercicio 2 - Configuracao Inicial apenas* ✖

Limit to 1000 rows

```
65 • SELECT montadora, modelo, FLOOR(RAND()*(10+1)) AS NOTA
66 FROM carros
67 ORDER BY NOTA DESC;
```

Result Grid

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

Result 22 ✖

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	15:54:14	SELECT montadora, modelo, FLOOR(RAND()*(10+1)) AS ...	12 row(s) returned	0,0011 sec / 0,0000...

lista9 - exercicio 2 - Configuracao Inicial apenas* ✖

Limit to 1000 rows

```
#g)
60 • SELECT montadora, modelo, CEIL(RAND()*(9+1)) AS NOTA
61 FROM carros
62 ORDER BY NOTA DESC;
#h)
65 • SELECT montadora, modelo, FLOOR(RAND()*(10+1)) AS NOTA
66 FROM carros
67 ORDER BY NOTA DESC;
#i)
70 • SELECT montadora, modelo, FORMAT(RAND(2)*(9+1), 2) AS NOTA
71 FROM carros
72 ORDER BY NOTA DESC;
```

Result Grid

#	montadora	modelo	NOTA
1	ford	Fusion	9.25
2	fiat	Punto	8.59
3	volkswagen	Gol	8.58
4	fiat	Palio	6.56
5	volkswagen	Gol	6.45
6	fiat	Punto	3.92
7	chevrolet	Vectra	3.54
8	chevrolet	Vectra	1.98
9	fiat	Palio	1.22
10	volkswagen	Polo	1.18
11	ford	Fusion	0.34
12	volkswagen	Polo	0.15

Result 26 ✖

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	16:03:17	SELECT montadora, modelo, FORMAT(RAND(2)*(9+1), 2)...	12 row(s) returned	0,0011 sec / 0,0000...
✓ 2	16:03:28	SELECT montadora, modelo, FORMAT(RAND(2)*(9+1), 2)...	12 row(s) returned	0,0012 sec / 0,0000...

lista9 - exercicio 2 - Configuracao Inicial apenas* ✖

Limit to 1000 rows

```
#g)
60 • SELECT montadora, modelo, CEIL(RAND()*(9+1)) AS NOTA
61 FROM carros
62 ORDER BY NOTA DESC;
#h)
65 • SELECT montadora, modelo, FLOOR(RAND()*(10+1)) AS NOTA
66 FROM carros
67 ORDER BY NOTA DESC;
#i)
70 • SELECT montadora, modelo, FORMAT(RAND(2)*(9+1), 2) AS NOTA
71 FROM carros
72 ORDER BY NOTA DESC;
```

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	16:03:17	SELECT montadora, modelo, FORMAT(RAND(2)*(9+1), 2)...	12 row(s) returned	0,0011 sec / 0,0000...
✓ 2	16:03:28	SELECT montadora, modelo, FORMAT(RAND(2)*(9+1), 2)...	12 row(s) returned	0,0012 sec / 0,0000...

Limit to 1000 rows ▼

#	Time	Action	Message	Duration / Fetch
1	20:24:01	CREATE FUNCTION preco_estimado(cilindrada INT) RET...	0 row(s) affected	0,742 sec

Limit to 1000 rows ▼

#	Time	Action	Message	Duration / Fetch
✓ 1	19:15:11	SELECT montadora, modelo, versao, preco_estimado(cil...	12 row(s) returned	0,0092 sec / 0,0000...

Export: Wrap Cell Content:

- Result Grid
- Form Editor
- Field Types
- Query Stats

#	Time	Action	Message	Duration / Fetch
✓ 1	19:15:11	SELECT montadora, modelo, versao, preco_estimado(cil...	12 row(s) returned	0,0092 sec / 0,0000...

lista9 - exercicio 2 - Configuracao inicial apenas*

```

85 #l)
86 DELIMITER //
87 • CREATE FUNCTION max_cilindrada(montadora_parameter VARCHAR(20))
88 RETURNS CHAR(255)
89 READS SQL DATA
90 BEGIN
91     DECLARE valor CHAR(255);
92     SET valor = ( SELECT(CONCAT(UPPER(montadora), " ", modelo, " ", versao, " ", cilindrada, " cilindradas"))
93 FROM carros
94 WHERE montadora_parameter = montadora
95 AND cilindrada = ( SELECT MAX(cilindrada)
96 FROM carros
97 WHERE montadora = montadora_parameter)
98 ORDER BY modelo, versao
99 LIMIT 1);
100 RETURN valor;
101 END; //
102 DELIMITER ;

```

#	Time	Action	Message	Duration / Fetch
1	20:24:29	CREATE FUNCTION max_cilindrada(montadora_parame...	0 row(s) affected	0,539 sec

lista9 - exercicio 2 - Configuracao inicial apenas*

```

99 LIMIT 1);
100 RETURN valor;
101 END; //
102 DELIMITER ;
103
104 • #m)
105 SELECT max_cilindrada("fiat");
106
107

```

#	max_cilindrada("fiat")
1	FIAT, Palio 1.8R, 1800 cilindradas

Result 4

Read Only

#	Time	Action	Message	Duration / Fetch
1	20:25:25	SELECT max_cilindrada("fiat") LIMIT 0, 1000	1 row(s) returned	0,0024 sec / 0,0000...