



Universidade Federal de Viçosa – Campus UFV-Florestal
Ciência da Computação – Banco de Dados
Professor: Daniel Mendes Barbosa
Lista de Exercícios 6 – SQL Básica

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#Questao 1

```
CREATE DATABASE lista6;  
USE lista6;
```

#Questao 2

```
CREATE TABLE montadora(  
    idmontadora    INT,  
    nome           VARCHAR(30),  
  
    PRIMARY KEY(idmontadora));
```

#Questao 3

```
CREATE TABLE carro(  
    idcarro        INT,  
    id_montadora   INT,  
    modelo         VARCHAR(30),  
    versao         VARCHAR(30),  
    cilindrada     INT,  
    combustivel    VARCHAR(30),  
    PRIMARY KEY (idcarro),  
    FOREIGN KEY (id_montadora) REFERENCES montadora(idmontadora));
```

#Questao 4

```
INSERT INTO montadora(idmontadora, nome)  
VALUE (01, 'fiat');  
INSERT INTO carro(idcarro, id_montadora, modelo, versao, cilindrada, combustivel)  
VALUE ('01', '01', 'Palio', 'Fire', '1000', 'flex');  
INSERT INTO carro(idcarro, id_montadora, modelo, versao, cilindrada, combustivel)  
VALUE ('02', '01', 'Palio', '1.8R', '1800', 'flex');
```

#Questao 5

```
INSERT INTO montadora(idmontadora, nome)  
VALUE (02, 'Volkswagen');  
INSERT INTO carro(idcarro, id_montadora, modelo, versao, cilindrada, combustivel)  
VALUE ('03', '02', 'Gol', 'Trend', '1000', 'flex');  
INSERT INTO carro(idcarro, id_montadora, modelo, versao, cilindrada, combustivel)  
VALUE ('04', '02', 'Gol', 'Power', '1600', 'flex');
```

#Questao 6

```
INSERT INTO montadora(idmontadora, nome)
VALUE (03, 'chevrolet');
INSERT INTO carro(idcarro, id_montadora, modelo, versao, cilindrada, combustivel)
VALUE (05, 03, 'Vectra', 'Elegance', '2000', 'flex');
INSERT INTO carro(idcarro, id_montadora, modelo, versao, cilindrada, combustivel)
VALUE (06, 03, 'Vectra', 'Elite', '2000', 'flex');
```

#Questao 7

```
INSERT INTO montadora(idmontadora, nome)
VALUE (04, 'ford');
INSERT INTO carro(idcarro, id_montadora, modelo, versao, cilindrada, combustivel)
VALUE (07, 04, 'Fusion', 'SEL2.5', '2500', 'gasolina');
INSERT INTO carro(idcarro, id_montadora, modelo, versao, cilindrada, combustivel)
VALUE (08, 04, 'Fusion', 'SELV6', '3000', 'gasolina');
```

#Questao 8

```
INSERT INTO carro(idcarro, id_montadora, modelo, versao, cilindrada, combustivel)
VALUE (09, 01, 'Punto', 'Sporting', '1800', 'flex');
INSERT INTO carro(idcarro, id_montadora, modelo, versao, cilindrada, combustivel)
VALUE (10, 01, 'Punto', 'T-JET', '1400', 'gasolina');
```

#Questao 9

```
INSERT INTO carro(idcarro, id_montadora, modelo, versao, cilindrada, combustivel)
VALUE (11, 02, 'Polo', 'Confortline', '1600', 'flex');
INSERT INTO carro(idcarro, id_montadora, modelo, versao, cilindrada, combustivel)
VALUE (12, 02, 'Polo', 'GT', '2000', 'flex');
```

#Questao 10

```
SELECT * FROM carro;
```

#Questao 11

```
SELECT *
FROM carro, montadora
WHERE id_montadora = idmontadora;
```

#Questao 12

```
SELECT *
FROM carro
WHERE id_montadora = 01;
```

#Questao 13

```
SELECT modelo, versao, cilindrada
FROM carro
WHERE cilindrada BETWEEN 1000 AND 2000
ORDER BY cilindrada DESC, versao ASC;
```

#Questao 14

```
SELECT modelo, versao, cilindrada  
FROM carro  
WHERE combustivel = 'gasolina';
```

#Questao 15

```
SELECT DISTINCT modelo  
FROM carro  
WHERE cilindrada >= 2000;
```

#Questao 16

```
UPDATE carro  
SET cilindrada = 2400  
WHERE modelo = 'Vectra' AND versao = 'Elite';
```

#Questao 17

```
SELECT versao  
FROM carro  
WHERE modelo LIKE 'P%'  
ORDER BY versao ASC;
```

#Questao 18

```
SELECT modelo, versao, cilindrada*2  
FROM carro  
WHERE cilindrada = 1000 AND combustivel = 'flex';
```

#Questao 19

```
DELETE  
FROM carro  
WHERE id_montadora = 02;
```

#Questao 20

```
DELETE  
FROM carro;
```

```
SELECT *  
FROM carro;
```

Activities MySQL Workbench fev 13 15:09

MySQL Workbench

listas6

File Edit View Query Database Server Tools Scripting Help

Schemas

SCHEMAS

Filter objects

listas6

Tables

carro

Columns

Indexes

Foreign Keys

carro_ibfk_1

Triggers

montadora

Views

Stored Procedures

Functions

Object Info

Schema: listas6

Query 1

```

9 • CREATE TABLE carro(
10     idcarro INT,
11     idmontadora INT,
12     modelo VARCHAR(30),
13     versao VARCHAR(30),
14     cilindrada INT,
15     combustivel VARCHAR(30),
16     PRIMARY KEY (idcarro),
17     FOREIGN KEY (idmontadora) REFERENCES montadora(idmontadora));
18
19 • INSERT INTO montadora(idmontadora, nome)

```

Action Output

#	Time	Action	Message	Duration / Fetch
1	15:07:57	CREATE DATABASE listas6	1 row(s) affected	0,490 sec
2	15:08:01	CREATE DATABASE listas6	Error Code: 1007. Can't create database 'listas6'; ...	0,00058 sec
3	15:08:06	USE listas6	0 row(s) affected	0,00028 sec
4	15:08:22	CREATE TABLE montadora(idmontadora INT, nome...	0 row(s) affected	2,263 sec
5	15:08:32	CREATE TABLE carro(idcarro INT, idmontadora...	0 row(s) affected	2,036 sec
6	15:08:41	INSERT INTO montadora(idmontadora, nome) VALUE (0...	1 row(s) affected	1,071 sec
7	15:08:57	INSERT INTO carro(idcarro, idmontadora, modelo, versa...	1 row(s) affected	0,453 sec
8	15:09:05	INSERT INTO carro(idcarro, idmontadora, modelo, versa...	1 row(s) affected	0,469 sec

Query Completed

Activities MySQL Workbench fev 13 15:30

MySQL Workbench

listas6

File Edit View Query Database Server Tools Scripting Help

Schemas

SCHEMAS

Filter objects

listas6

Tables

carro

Columns

idcarro

idmontadora

modelo

versao

cilindrada

combustivel

Indexes

Foreign Keys

Triggers

Object Info

Column: idcarro

Definition: idcarro int PK

Query 1

```

39
40 • INSERT INTO montadora(idmontadora, nome)
41     VALUE (04, 'ford');
42 • DELETE FROM carro WHERE idcarro = 07;
43 • DELETE FROM carro WHERE idcarro = 08;
44 • INSERT INTO carro(idcarro, idmontadora, modelo, versao, cilindrada, combustivel)
45     VALUE (07, 04, 'Punto', 'Sporting', '1800', 'flex');
46 • INSERT INTO carro(idcarro, idmontadora, modelo, versao, cilindrada, combustivel)
47     VALUE (08, 04, 'Punto', 'T-JET', '1400', 'gasolina');

```

Action Output

#	Time	Action	Message	Duration / Fetch
18	15:19:03	INSERT INTO carro(idcarro, idmontadora, modelo, versa...	1 row(s) affected	0,512 sec
19	15:19:13	INSERT INTO carro(idcarro, idmontadora, modelo, versa...	1 row(s) affected	0,530 sec
20	15:20:25	INSERT INTO montadora(idmontadora, nome) VALUE (0...	1 row(s) affected	0,458 sec
21	15:21:43	INSERT INTO carro(idcarro, idmontadora, modelo, versa...	1 row(s) affected	0,209 sec
22	15:22:20	INSERT INTO carro(idcarro, idmontadora, modelo, versa...	1 row(s) affected	0,230 sec
23	15:23:23	INSERT INTO montadora(idmontadora, nome) VALUE (0...	1 row(s) affected	0,269 sec
24	15:24:47	INSERT INTO carro(idcarro, idmontadora, modelo, versa...	1 row(s) affected	0,350 sec
25	15:25:59	INSERT INTO carro(idcarro, idmontadora, modelo, versa...	1 row(s) affected	0,353 sec
26	15:29:48	DELETE FROM carro WHERE idcarro = 07	1 row(s) affected	0,674 sec
27	15:29:59	DELETE FROM carro WHERE idcarro = 08	1 row(s) affected	0,469 sec

Query Completed

Activities MySQL Workbench fev 13 16:08

MySQL Workbench

lista6

File Edit View Query Database Server Tools Scripting Help

Schemas

Query 1

Limit to 1000 rows

58 • SELECT * FROM carro;

59

Result Grid

#	modelo	versao	cilindrada
1	Vectra	Eleg...	2000
2	Vectra	Elite	2000
3	Polo	GT	2000
4	Palio	1.8R	1800
5	Punto	Spo...	1800
6	Polo	Con...	1600
7	Gol	Power	1600
8	Punto	T-JET	1400
9	Palio	Fire	1000
10	Gol	Trend	1000

Object Info

Schema: sys

carro 5

Action Output

#	Time	Action	Message	Duration / Fetch
21	15:52:48	SELECT * FROM carro, montadora WHERE id_montadora...	12 row(s) returned	0,00066 sec / 0,000...
22	15:54:08	SELECT * FROM carro WHERE id_montadora = 01 LIMIT 0...	4 row(s) returned	0,0010 sec / 0,0000...
23	16:07:19	SELECT modelo, versao, cilindrada FROM carro WHERE c...	10 row(s) returned	0,00079 sec / 0,000...

Query Completed

Activities MySQL Workbench fev 13 15:52

MySQL Workbench

lista6

File Edit View Query Database Server Tools Scripting Help

Schemas

Query 1

Export: Wrap Cell Content: I

Result Grid

#	idcarro	id_montadora	modelo	versao	cilindrada	combustive	idmontadora	nome
1	1	1	Palio	Fire	1000	flex	1	fiat
2	2	1	Palio	1.8R	1800	flex	1	fiat
3	9	1	Punto	Spo...	1800	flex	1	fiat
4	10	1	Punto	T-JET	1400	gasolina	1	fiat
5	3	2	Gol	Trend	1000	flex	2	Volkswagen
6	4	2	Gol	Power	1600	flex	2	Volkswagen
7	11	2	Polo	Con...	1600	flex	2	Volkswagen
8	12	2	Polo	GT	2000	flex	2	Volkswagen
9	5	3	Vectra	Eleg...	2000	flex	3	chevrolet
10	6	3	Vectra	Elite	2000	flex	3	chevrolet
11	7	4	Fusion	SEL...	2500	gasolina	4	ford
12	8	4	Fusion	SELV6	3000	gasolina	4	ford

Object Info

Schema: sys

Result 3

Action Output

#	Time	Action	Message	Duration / Fetch
19	15:52:20	INSERT INTO carro(idcarro, id_montadora, modelo, vers...	1 row(s) affected	0,491 sec
20	15:52:21	INSERT INTO carro(idcarro, id_montadora, modelo, vers...	1 row(s) affected	0,508 sec
21	15:52:48	SELECT * FROM carro, montadora WHERE id_montadora...	12 row(s) returned	0,00066 sec / 0,000...

Query Completed

Context Help

Automatic context help toolbar to manually get caret position or to top

Activities MySQL Workbench fev 13 16:40

MySQL Workbench

lista6

File Edit View Query Database Server Tools Scripting Help

Schemas

listas6

listas6

sys

97

98 • DELETE

99 FROM carro;

100

101 • SELECT *

102 FROM carro;

Result Grid

Filter Rows

Edit

Export/Import

Wrap Cell Content

idcarro id_montadori modelo versao cilindrada combustive

DATA DATA DATA DATA DATA DATA

Object Info

No object selected

carro 6

Apply Revert

Action Output

#	Time	Action	Message	Duration / Fetch
9	16:39:47	DELETE FROM carro	0 row(s) affected	0,0005 sec
10	16:40:09	SELECT * FROM carro LIMIT 0, 1000	0 row(s) returned	0,00060 sec / 0,000...
11	16:40:37	SELECT * FROM carro LIMIT 0, 1000	0 row(s) returned	0,00050 sec / 0,000...

Query Completed