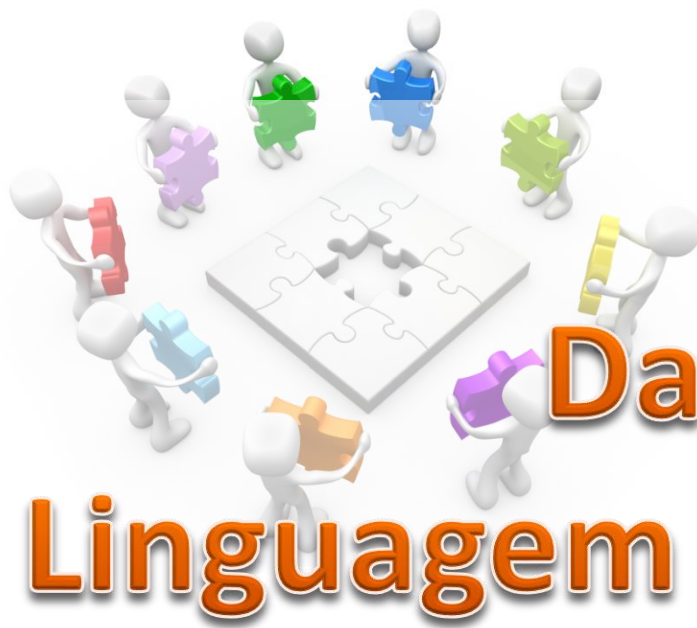


Banco de Dados



SQL – DML

Data Manipulation Language
Linguagem de Manipulação de Dados



MySQL – Data Manipulation Language



```
CREATE TABLE Profissao (  
    idProfissao SMALLINT(5) UNSIGNED ZEROFILL NOT NULL,  
    desProfissao VARCHAR(40) NOT NULL,  
    PRIMARY KEY (idProfissao)  
);
```

Profissao

idProfissao SMALLINT(5)

desProfissao VARCHAR(40)

Indexes

PRIMARY

Profissao - Table										
Table Name: Profissao										
Column Name	Datatype	PK	NN	UQ	BIN	UN	ZF	AI	Default	
idProfissao	SMALLINT(5)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
desProfissao	VARCHAR(40)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

SMALLINT	Um inteiro pequeno	Signed:	-32768	32767
		Unsigned	0	65535



MySQL – Data Manipulation Language



```
INSERT INTO Profissao  
(idProfissao, desProfissao)  
VALUES (1, 'Professor');
```

	idProfissao	desProfissao
▶	1	Professor
★	NULL	NULL



MySQL – Data Manipulation Language



```
INSERT INTO Profissao (desProfissao)  
VALUES ('Engenheiro');
```

```
INSERT INTO Profissao (desProfissao)  
VALUES ('Motorista');
```

	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
★	NULL	NULL



MySQL – Data Manipulation Language



```
INSERT INTO Profissao  
(idProfissao, desProfissao)  
VALUES (48, 'Professor');
```

	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor
★	NULL	NULL



MySQL – Data Manipulation Language



	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor
	49	Carteiro
★	NULL	NULL

```
INSERT INTO Profissao (desProfissao)  
VALUES ('Carteiro');
```



MySQL – Data Manipulation Language



```
INSERT INTO Profissao (desProfissao) VALUES  
    ('WebDesigner'),  
    ('Programador'),  
    ('Analista de Sistemas'),  
    ('Administrador de Banco de Dados');
```

```
(,Administrador de Banco de Dados,)?
```

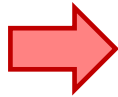
```
(,WebDesigner,)?
```



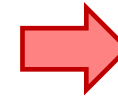

MySQL – Data Manipulation Language



	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor
	49	Carteiro
*	NULL	NULL



```
UPDATE Profissao  
SET desProfissao = 'Professor Auxiliar'  
WHERE idProfissao = 48;
```



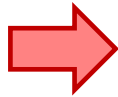
	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor Auxiliar
	49	Carteiro
*	NULL	NULL



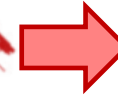
MySQL – Data Manipulation Language



	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor
	49	Carteiro
*	NULL	NULL



```
UPDATE Profissao  
SET desProfissao = 'Professor Auxiliar';
```



	idProfissao	desProfissao
▶	1	Professor Auxiliar
	2	Professor Auxiliar
	3	Professor Auxiliar
	48	Professor Auxiliar
	49	Professor Auxiliar
*	NULL	NULL





MySQL – Data Manipulation Language



```
UPDATE PessoaFisica  
▼ SET Nome = 'Ricardo Resende',  
    Estado = 'SP',  
    NomePai = 'Antonio'  
WHERE CPF = '26598565478';
```

```
MHEKE CbE = ,5e2a82e2418,?
```



MySQL – Data Manipulation Language



	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor
	49	Carteiro
★	NULL	NULL



```
DELETE FROM Profissao  
WHERE idProfissao = 49;
```



	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor
★	NULL	NULL



MySQL – Data Manipulation Language



	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor
	49	Carteiro
*	NULL	NULL

```
INSERT INTO Profissao (desProfissao)  
VALUES ('Advogado');
```

```
DELETE FROM Profissao  
WHERE idProfissao = 49;
```

	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor
*	NULL	NULL

	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor Auxiliar
	50	Advogado
*	NULL	NULL



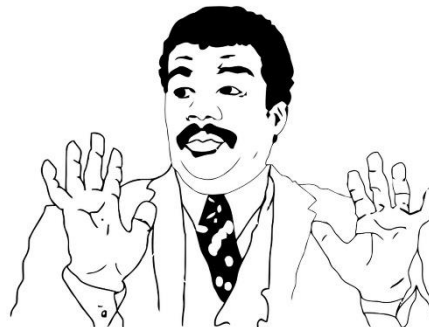
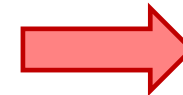
MySQL – Data Manipulation Language



	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor
	49	Carteiro
★	NULL	NULL



```
DELETE FROM Profissao;
```





MySQL – Data Manipulation Language



Workbench Preferences

General Editors

- SQL Editor
- Query Editor
- Object Editors
- SQL Execution
- Administration

Modeling

- Defaults
- MySQL
- Diagram
- Appearance
- Fonts & Colors
- Others

SQL Editor

- ☒ Save snapshot of open editors on close
- Auto-save scripts interval: 10 seconds
Interval to perform auto-saving of all open script tabs. The scripts will be restored from the last auto-saved version if Workbench unexpectedly quits.
- ☐ Create new tabs as Query tabs instead of File
- ☒ Restore expanded state of the active schema objects

Sidebar

- ☒ Show Schema Contents in Schema Tree
- ☐ Show Metadata and Internal Schemas
- ☒ Combine Management Tools and Schema Tree

MySQL Session

- DBMS connection keep-alive interval (in seconds): 600
- DBMS connection read time out (in seconds): 600
- DBMS connection time out (in seconds): 60

Other

- Internal Workbench Schema: .mysqlworkbench
This schema will be used by Workbench, to store information required on certain operations.
- ☒ "Safe Updates". Forbid UPDATES and DELETES with no key in WHERE clause or no LIMIT clause. Requires a reconnection.

OK Cancel



MySQL – Data Manipulation Language



```
SELECT * FROM Profissao;
```



	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor Auxiliar
	50	Advogado
*	NULL	NULL



MySQL – Data Manipulation Language



```
SELECT * FROM Profissao;
```



```
SELECT idProfissao, desProfissao  
FROM Profissao;
```



	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor Auxiliar
	50	Advogado
★	NULL	NULL



MySQL – Data Manipulation Language



```
SELECT * FROM Profissao;
```



```
SELECT idProfissao, desProfissao  
FROM Profissao;
```



```
SELECT Profissao.idProfissao, Profissao.desProfissao  
FROM Profissao;
```



	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor Auxiliar
	50	Advogado
*	NULL	NULL



MySQL – Data Manipulation Language



```
SELECT * FROM Profissao;
```



```
SELECT idProfissao, desProfissao  
FROM Profissao;
```



```
SELECT Profissao.idProfissao, Profissao.desProfissao  
FROM Profissao;
```



```
SELECT p.idProfissao, p.desProfissao  
FROM Profissao p;
```



	idProfissao	desProfissao
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor Auxiliar
	50	Advogado
*	NULL	NULL



MySQL – Data Manipulation Language



```
SELECT p.idProfissao, p.desProfissao  
FROM Profissao p;
```



```
SELECT p.idProfissao Codigo, p.desProfissao Descrição  
FROM Profissao p;
```



	Codigo	Descrição
▶	1	Professor
	2	Engenheiro
	3	Motorista
	48	Professor Auxiliar
	50	Advogado



MySQL – Data Manipulation Language



Exercícios

DER, DDL e DML (Filmes) - 01 de 04

Exercícios - DER, DDL e DML (Filmes) - 01 de 04 – Questões.pdf

- Leia o enunciado com atenção;
- Mantenha a concentração;
- Avance gradativamente;
- Verifique o resultado a cada etapa.