

# PRINTS DO MYSQL

- Inserção de dados as tabelas

```
c:\wamp64\bin\mysql\mysql9.1.0\bin\mysql.exe
mysql> INSERT INTO Professores (nome, especialidade) VALUES
-> ('Antonio Rodrigues', 'Piano'),
-> ('Sofia Almeida', 'Violino'),
-> ('Miguel Costa', 'Guitarra');
Query OK, 3 rows affected (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Alunos (nome, telefone, email) VALUES
-> ('João Silva', '912345678', 'joao@email.com'),
-> ('Maria Santos', '923456789', 'maria@email.com'),
-> ('Carlos Oliveira', '934567890', 'carlos@email.com');
Query OK, 3 rows affected (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Cursos (nome_curso, professor_id) VALUES
-> ('Piano Iniciante', 1),
-> ('Violino Avançado', 2),
-> ('Guitarra Clássica', 3);
Query OK, 3 rows affected (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Inscricoes (aluno_id, curso_id) VALUES
-> (1, 1),
-> (2, 2),
-> (3, 3),
-> (1, 2);
Query OK, 4 rows affected (0.00 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

- Consulta dos dados usando o método CRUD

```
c:\wamp64\bin\mysql\mysql9.1.0\bin\mysql.exe
mysql> SELECT * FROM Alunos;
+-----+-----+-----+-----+
| aluno_id | nome          | telefone | email          |
+-----+-----+-----+-----+
| 1         | João Silva    | 912345678 | joao@email.com |
| 2         | Maria Santos  | 923456789 | maria@email.com |
| 3         | Carlos Oliveira | 934567890 | carlos@email.com |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
mysql> SELECT * FROM Alunos WHERE nome LIKE 'J%';
+-----+-----+-----+-----+
| aluno_id | nome          | telefone | email          |
+-----+-----+-----+-----+
| 1         | João Silva    | 912345678 | joao@email.com |
+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
mysql> SELECT a.nome, c.nome_curso, p.nome as professor
-> FROM Inscricoes i
-> JOIN Alunos a ON i.aluno_id = a.aluno_id
-> JOIN Cursos c ON i.curso_id = c.curso_id
-> JOIN Professores p ON c.professor_id = p.professor_id;
+-----+-----+-----+
| nome          | nome_curso    | professor |
+-----+-----+-----+
| João Silva    | Piano Iniciante | Antonio Rodrigues |
| Maria Santos  | Violino Avançado | Sofia Almeida |
| João Silva    | Violino Avançado | Sofia Almeida |
| Carlos Oliveira | Guitarra Clássica | Miguel Costa |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
mysql> SELECT COUNT(*) as total_alunos FROM Alunos;
+-----+
| total_alunos |
+-----+
| 3            |
+-----+
1 row in set (0.00 sec)
```

```
c:\wamp64\bin\mysql\mysql9.1.0\bin\mysql.exe

mysql> SELECT COUNT(*) as total_inscricoes FROM Inscricoes;
+-----+
| total_inscricoes |
+-----+
| 3                |
+-----+
1 row in set (0.00 sec)

mysql>
mysql> UPDATE Alunos SET telefone = '911111111' WHERE aluno_id = 1;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 1 Changed: 0 Warnings: 0

mysql>
mysql> DELETE FROM Inscricoes WHERE aluno_id = 3;
Query OK, 0 rows affected (0.00 sec)

mysql> DELETE FROM Alunos WHERE aluno_id = 3;
Query OK, 0 rows affected (0.00 sec)
```

- Descreve das tabelas

c:\wamp64\bin\mysql\mysql9.1.0\bin\mysql.exe

```
Tables_in_escola_musica |
+-----+
| alunos                |
| cursos                |
| inscricoes            |
| professores           |
+-----+
```

4 rows in set (0.01 sec)

mysql> describe alunos;

```
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| aluno_id | int | NO | PRI | NULL | auto_increment |
| nome | varchar(100) | YES | | NULL | |
| telefone | varchar(15) | YES | | NULL | |
| email | varchar(100) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
```

4 rows in set (0.17 sec)

mysql> describe cursos;

```
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| curso_id | int | NO | PRI | NULL | auto_increment |
| nome_curso | varchar(100) | YES | | NULL | |
| professor_id | int | YES | MUL | NULL | |
+-----+-----+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)

mysql> describe inscricoes;

```
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| inscricao_id | int | NO | PRI | NULL | auto_increment |
| aluno_id | int | YES | MUL | NULL | |
| curso_id | int | YES | MUL | NULL | |
+-----+-----+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)

mysql> describe professores;

```
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| professor_id | int | NO | PRI | NULL | auto_increment |
| nome | varchar(100) | YES | | NULL | |
| especialidade | varchar(50) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)