

Evidências

Aluno: [seu nome]

```
SELECT * FROM aluno;
```

```
SELECT a.nome, c.nome, t.dia_semana...
```

The screenshot shows the SSMS interface with the following details:

- Object Explorer:** Shows the database structure with nodes like **MANAGEMENT**, **DATA**, **TRANSACTIONS**, **REPORTING**, and **Schemas**.
- Object Explorer Details:** Displays the **sys.dm_exec_desktops** dynamic management view with columns: **id**, **name**, **da_Jerome**, **handle**, and **id_sp_start**. The data shows five rows for different desktops.
- Results pane:** Shows the output of the following T-SQL query:

```
SELECT * FROM sys.dm_exec_desktops;
```
- Status bar:** Shows the message "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help."

```
SELECT a.nome ... WHERE c.nome = 'Violão';
```

The screenshot shows the Oracle SQL Developer interface. The top menu bar includes Local instance [My_Db], Edit, View, Query, Database, Server, Tools, Scripting, Help, and a toolbar with various icons. The left sidebar has sections for MANAGEMENT (Server, Database, User Connections, Users and Privileges, Status and System Variables, Data Import/Export), INSTANCE (Startup/Shutdown, Log File, Options File), and PERFORMANCE (Dashboard, Performance Reports, Performance Schema Setup). The bottom left navigation bar shows Administration, Schemas, and Information, with 'No object selected'. The main workspace displays a complex SQL query:

```
1 * SELECT a.nome
  2   FROM professor a
  3  JOIN aluno x ON a.id_aluno = x.id_aluno
  4  JOIN turma t ON x.id_turma = t.id_turma
  5  JOIN curso c ON t.id_curso = c.id_curso
  6  WHERE c.nome = 'Visual'
```

The results grid shows the following data:

| name |
|----------------|
| Lucas Silva |
| Thiago Henrdes |
| Lucas Silva |
| Thiago Henrdes |

Below the results grid, there are tabs for Result Grid, Filter Rows, Form, and Edit. The bottom right corner shows the status bar with 'Result 8' and 'Read Only'.

```
UPDATE aluno SET telefone = '99999-9999' WHERE id_aluno = 1;
```

The screenshot shows the MySQL Workbench interface. The top menu bar includes File, Edit, View, Query, Database, Server, Tools, Scripting, Help, and a SQL tab. The left sidebar has sections for Navigator, Performance, and Administration. The main area is titled "SQL Editor" and contains the following SQL code:

```
SQL File ▾
File Edit View Query Database Server Tools Scripting Help
SQL Editor Navigator Performance Administration

-- 1) Mudar telefone do aluno 1
2 • UPDATE `aluno`
3 SET `telefone` = '00000-9999'
4 WHERE `id_aluno` = 1;

-- 2) Mudar especialidade do professor 1
5 • UPDATE `professor`
6 SET `especialidade` = 'Tecaldo'
7 WHERE `id_professor` = 1;

-- 3) Mudar o nível do curso 2
8 • UPDATE `curso`
9 SET `nivel` = 'Avançado'
10 WHERE `id_curso` = 2;
11
12 •
13
14
15
```

The "Output" tab shows the results of the executed queries:

| Action | Time | Action | Message | Duration / Fetch |
|--------|----------|---------------------------------------------------------------------------------|---------------------|-----------------------|
| 19 | 09:30:52 | SELECT * FROM `matricula` JOIN `aluno` ON `matricula`.`id_aluno` = `aluno`.`id` | 5 rows(s) returned | 0.000 sec / 0.000 sec |
| 20 | 09:30:23 | SELECT * FROM `aluno` LIMIT 0, 1000 | 12 rows(s) returned | 0.016 sec / 0.000 sec |
| 21 | 09:34:54 | SELECT * FROM `matricula` m JOIN `aluno` a ON m.`id_aluno` = a.`id` | 5 rows(s) returned | 0.000 sec / 0.000 sec |
| 22 | 09:35:00 | UPDATE `matricula` SET `id_professor` = 'Tecaldo' WHERE `id` = 2 | 1 row(s) affected | 0.000 sec / 0.000 sec |
| 23 | 09:35:26 | UPDATE `professor` SET `especialidade` = 'Tecaldo' WHERE `id` = 1 | 0 rows(s) affected | 0.000 sec / 0.000 sec |
| 24 | 09:35:25 | UPDATE `curso` SET `nivel` = 'Avançado' WHERE `id` = 2 | 0 rows(s) affected | 0.000 sec / 0.000 sec |
| 25 | 09:35:25 | UPDATE `curso` SET `nivel` = 'Avançado' WHERE `id` = 2 | 0 rows(s) affected | 0.000 sec / 0.000 sec |

The status bar at the bottom indicates "No object selected".

`DELETE FROM matricula;`

`DELETE FROM aluno WHERE ...;`

`DELETE FROM turma;`

The screenshot shows the MySQL Workbench interface with the following log output:

| # | Time | Action | Message | Duration / Fetch |
|---|-------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1 | 28 09:37:01 | SELECT * FROM matricula LIMIT 0, 1000 | 0 row(s) returned | 0.015 sec / 0.000 sec |
| 2 | 29 09:37:22 | DELETE FROM matricula WHERE id_matricula = 3 | 0 row(s) affected | 0.016 sec |
| 3 | 30 09:37:34 | DELETE FROM aluno WHERE id_aluno = 3 | Error Code: 1451. Cannot delete or update a parent row: a foreign key constraint fails (turma.aluno, CONSTRAINT fk_aluno_turma FOREIGN KEY (id_aluno) REFERENCES turma (id_turma)) | 0.000 sec |
| 4 | 31 09:37:46 | DELETE FROM turma WHERE id_turma = 2 | Error Code: 1451. Cannot delete or update a parent row: a foreign key constraint fails (matricula.turma, CONSTRAINT fk_turma_matricula FOREIGN KEY (id_turma) REFERENCES turma (id_turma)) | 0.032 sec |
| 5 | 32 09:38:19 | SELECT * FROM matricula LIMIT 0, 1000 | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 6 | 33 09:39:26 | DELETE FROM matricula | Error Code: 1175. You are using safe update mode and you tried to update a row where the value would change, but the column has a foreign key constraint defined on it. | 0.000 sec |

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| 1 | 28 09:37:01 | SELECT * FROM matricula LIMIT 0, 1000 | 0 row(s) returned | 0.015 sec / 0.000 sec |
| 2 | 29 09:37:22 | DELETE FROM aluno WHERE id_aluno = 3 | 0 row(s) affected | 0.016 sec |
| 3 | 30 09:37:34 | DELETE FROM aluno WHERE id_aluno = 3 | Error Code: 1451. Cannot delete or update a parent row: a foreign key constraint fails (turma.aluno, CONSTRAINT fk_aluno_turma FOREIGN KEY (id_aluno) REFERENCES turma (id_turma)) | 0.000 sec |
| 4 | 31 09:37:46 | DELETE FROM turma WHERE id_turma = 2 | Error Code: 1451. Cannot delete or update a parent row: a foreign key constraint fails (matricula.turma, CONSTRAINT fk_turma_matricula FOREIGN KEY (id_turma) REFERENCES turma (id_turma)) | 0.032 sec |
| 5 | 32 09:38:19 | SELECT * FROM matricula LIMIT 0, 1000 | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 6 | 33 09:39:26 | DELETE FROM matricula | Error Code: 1175. You are using safe update mode and you tried to update a row where the value would change, but the column has a foreign key constraint defined on it. | 0.000 sec |
| 7 | 34 09:39:22 | DELETE FROM aluno WHERE id_aluno = 3 | 0 row(s) affected | 0.015 sec |