

-- ADBD-ATIVIDADE-04

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<https://github.com/JeanHenriqueSz/ADBD-ATIVIDADE-04.git>

```
CREATE TABLE posicao (
    idPosicao INTEGER PRIMARY KEY,
    nome TEXT NOT NULL
);
```

```
INSERT INTO posicao(idPosicao, nome)
VALUES
    (1, 'Goleiro'),
    (2, 'Zagueiro'),
    (3, 'Meio-campo'),
    (4, 'Atacante');
```

```
CREATE TABLE time (
    idTime INTEGER PRIMARY KEY,
    nome TEXT NOT NULL,
    estado TEXT
);
```

```
INSERT INTO time(idTime, nome, estado)
VALUES
    (1, 'Atlético', 'MG'),
    (2, 'Cruzeiro', 'MG'),
    (3, 'Flamengo', 'RJ');
```

```
CREATE TABLE jogador (
    idJogador INTEGER PRIMARY KEY,
    nome TEXT NOT NULL,
    salario NUMERIC,
    dataNascimento TEXT,
    idPosicao INTEGER NOT NULL,
    idTime INTEGER,
    FOREIGN KEY(idPosicao) REFERENCES posicao(idPosicao),
    FOREIGN KEY(idTime) REFERENCES time(idTime)
);
```

```
INSERT INTO jogador(idJogador, nome, salario, dataNascimento, idPosicao, idTime)
VALUES
    (1, 'Everson',      150000, '1995-10-01', 1, 1),
    (2, 'Incrível Hulk', 850000, '1990-10-12', 4, 1),
    (3, 'Fábio',        100000, '1982-04-11', 1, 2),
    (4, 'Edu',          150000, '1983-09-10', 4, 2),
    (5, 'Diego Tardeli', NULL,   '1991-05-03', 4, NULL);
```

-- Exercicio 1

```
select *  
from posicao;
```

```
47  
48 -- Exercicio 1  
49 SELECT *  
50 FROM posicao;  
51  
52 -- Exercicio 2  
53 SELECT nome,  
54     estado AS "Estado do Time"  
55 FROM time;  
56  
57 -- Exercicio 3  
58 SELECT nome,  
59     salario,  
60     dataNascimento  
61 FROM jogador  
62 ORDER BY dataNascimento DESC;  
63  
64 -- Exercicio 4  
65 SELECT nome,  
66     salario,  
67     dataNascimento  
68 FROM jogador  
69 ORDER BY salario;  
70  
71 -- Exercicio 5  
72 SELECT *  
73 FROM jogador  
74 WHERE idTime = 2;  
--
```

#	idPosicao	nome
1		Goleiro
2		Zagueiro
3		Meio-campo
4		Atacante

-- Exercicio 2

```
select nome,  
       estado as "Estado do Time"  
  from time;
```

```
52 -- Exercicio 2  
53 SELECT nome,  
54     estado AS "Estado do Time"  
55 FROM time;  
56  
57 -- Exercicio 3  
58 SELECT nome,  
59     salario,  
60     dataNascimento  
61 FROM jogador  
62 ORDER BY dataNascimento DESC;  
63  
64 -- Exercicio 4  
65 SELECT nome,  
66     salario,  
67     dataNascimento  
68 FROM jogador  
69 ORDER BY salario;  
70  
71 -- Exercicio 5  
72 SELECT *  
73 FROM jogador  
74 WHERE idTime = 2;  
--
```

#	nome	Estado do Time
	Atletico	MG
	Crueiro	MG
	Flamengo	RJ

-- Exercicio 3

```
select nome,
       salario,
       dataNascimento
  from jogador
 order by dataNascimento desc;
```

nome	salario	dataNascimento
Everson	150000	1995-10-01
Diego Tardeli	NULL	1991-05-03
Incrivel Hulk	850000	1990-10-12
Edu	150000	1983-09-10
Fábio	100000	1982-04-11

-- Exercicio 4

```
select nome,
       salario,
       dataNascimento
  from jogador
 order by salario;
```

nome	salario	dataNascimento
Diego Tardeli	NULL	1991-05-03
Fábio	100000	1982-04-11
Everson	150000	1995-10-01
Edu	150000	1983-09-10
Incrivel Hulk	850000	1990-10-12

-- Exercicio 5

```
select *  
from jogador  
where idTime = 2;
```

```
62 ORDER BY dataNascimento DESC;  
63  
64 -- Exercicio 4  
65 SELECT nome,  
66     salario,  
67     dataNascimento  
68 FROM jogador  
69 ORDER BY salario;  
70  
71 -- Exercicio 5  
72 SELECT *  
73 FROM jogador  
74 WHERE idTime = 2;  
75  
76 -- Exercicio 6  
77 SELECT nome,  
78     salario  
79 FROM jogador  
80 WHERE idTime = 1;  
81  
82 -- Exercicio 7  
83 SELECT DISTINCT idPosicao  
84 FROM jogador;  
85  
86  
87 -- Exercicio 8  
88 SELECT nome,  
89     salario  
90 FROM jogador
```

#	idJogador	nome	salario	dataNascimento	idPosicao	idTime
3		Fábio	100000	1982-04-11	1	2
4		Edu	150000	1983-09-10	4	2

-- Exercicio 6

```
select nome,
       salario
  from jogador
 where idTime = 1;
```

The screenshot shows a SQLite database interface with the following details:

- Run Tab:** The "Run" tab is selected.
- SQLite Tab:** The "SQLite" tab is selected.
- SQL Editor:** The code for Exercise 6 is displayed, including comments for exercises 4 through 7, and the specific query for exercise 6.
- Results Table:** A table titled "Exercicio 6" displays the results of the query. It has two columns: "nome" and "salario".
- Data:**

nome	salario
Everson	150000
Incrivel Hulk	850000

-- Exercicio 7

```
select distinct idPosicao  
from jogador;
```

The screenshot shows a SQLite database interface with a dark theme. At the top, there are tabs for 'Run' and 'SQLite'. Below the tabs, the SQL code is displayed in a code editor. The code consists of several numbered lines, with line 83 being the query of interest. Line 83 is highlighted in red, indicating it is the current line of focus. The results of the query are shown in a table below the code editor. The table has two columns: 'idPosicao' and 'nome'. There are two rows: one with '1' in 'idPosicao' and 'André' in 'nome', and another with '4' in 'idPosicao' and 'Luis' in 'nome'. The interface includes standard window controls (minimize, maximize, close) at the top right.

idPosicao	nome
1	André
4	Luis

```
-- Exercicio 8
select nome,
       salario
from jogador
where salario <= 200000
order by salario desc;
```

The screenshot shows a SQLite database interface with a dark theme. At the top, there are tabs for 'Run' and 'SQLite'. Below the tabs, the SQL code is displayed in a code editor. The code includes several comments (//) and multiple SELECT statements. The final SELECT statement is the one being run, which retrieves the names and salaries of players whose salary is less than or equal to 200,000, ordered by salary in descending order. The results are shown in a table below the code.

nome	salario
Everson	150000
Edu	150000
Fábio	100000

```
-- Exercicio 9
select nome,
       salario
from jogador
where nome like 'I%';
```

```
// SELECT nome,
78      salario
79 FROM jogador
80 WHERE idTime = 1;
81
82 -- Exercicio 7
83 SELECT DISTINCT idPosicao
84 FROM jogador;
85
86
87 -- Exercicio 8
88 SELECT nome,
89      salario
90 FROM jogador
91 WHERE salario <= 20000
92 ORDER BY salario DESC;
93
94 -- Exercicio 9
95 SELECT nome,
96      salario
97 FROM jogador
98 WHERE nome LIKE 'I%';
99
100 -- Exercicio 10
101 SELECT nome,
102      dataNascimento
103 FROM jogador
104 WHERE nome LIKE 'F%';
105
```

nome	salario
Incrivel Hulk	850000

-- Exercicio 10

```
select nome,
```

```
93
94 -- Exercicio 9
95 SELECT nome,
96      salario
97 FROM jogador
98 WHERE nome LIKE 'I%';
99
100 -- Exercicio 10
101 SELECT nome,
102      dataNascimento
103 FROM jogador
104 WHERE nome LIKE 'F%';
105
```

nome	dataNascimento
Fábio	1982-04-11