

# Interclasse

Turma: Informática B

# Desafio 01

```
5 select *
6 from gamecatalog
7 order by release_date, name;
```

appid	name	release_date	english	developer	publisher	platforms	required_age	categories	genres	steampy_tags	achievements	positive
282010	Carmageddon Max Pack	1997-06-30	1	Stainless Games Ltd	THQ Nordic	windows	0	Single-player Multi-player Steam Trading Cards	Action Indie Racing	Racing Action Classic	0	352
70	Half-Life	1998-11-08	1	Valve	Valve	windows mac linux	0	Single-player Multi-player Online Multi-Player St...	Action	FPS Classic Actio	0	27755
20	Team Fortress Classic	1999-04-01	1	Valve	Valve	windows mac linux	0	Multi-player Online Multi-Player Local Multi-Play...	Action	Action FPS Multiplayer	0	3318
50	Half-Life: Opposing Force	1999-11-01	1	Gearbox Software	Valve	windows mac linux	0	Single-player Multi-player Valve Anti-Cheat ena...	Action	FPS Action Sci-fi	0	5250
10	Counter-Strike	2000-11-01	1	Valve	Valve	windows mac linux	0	Multi-player Online Multi-Player Local Multi-Play...	Action	Action FPS Multiplayer	0	124534
60	Dota 2	2009-11-01	1	Valve	Valve	windows mac linux	0	Multi-player Online Multi-Player Valve Anti-Chea...	Action	Action FPS Multiplayer	0	7760

Na máquina: João  
Time:

# Desafio 02

```
8 • select name as jogo, publisher as empresa, release_date as lancamento, required_age as idade_minima, price as preco
9 from gamecatalog
10 order by price desc;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

jogo	empresa	lancamento	idade_minima	preco
▶ ADR- Labelling Game	Suomen Kuljetusturva Oy	2018-04-12	0	421.99
GameMaker Studio 2 UWP	YoYo Games Ltd.	2017-03-08	0	303.99
Houdini Indie	SideFX	2018-10-10	0	209.99
3DF Zephyr Lite Steam Editio	3Dflow SRL	2016-02-02	0	154.99
Tactics: Bludgeons Blessing	Capt. McCay Soft	2017-07-04	0	154.99
Silhouette	Apeiron Games	2016-11-13	0	154.99
GameMaker Studio 2 Mobile	YoYo Games Ltd.	2017-03-08	0	154.99

gamecatalog 7 x

Na máquina: João, Samuel, Luik Castro  
Time:

# Desafio 03

```
8 • select upper(name) as jogo, publisher as empresa, release_date as lancamento, required_age as idade_minima, price as preco
9 from gamecatalog
10 order by price desc;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

	jogo	empresa	lancamento	idade_minima	preco
▶	ADR-LABELLING GAME	Suomen Kuljetusturva Oy	2018-04-12	0	421.99
	GAMEMAKER STUDIO 2 UWP	YoYo Games Ltd.	2017-03-08	0	303.99
	HOUDINI INDIE	SideFX	2018-10-10	0	209.99
	3DF ZEPHYR LITE STEAM EDITIO	3Dflow SRL	2016-02-02	0	154.99
	TACTICS: BLUDGEONS BLESSING	Capt. McCay Soft	2017-07-04	0	154.99
	SILHOUETTE	Apeiron Games	2016-11-13	0	154.99
	GAMEMAKER STUDIO 2 MOBILE	YoYo Games Ltd.	2017-03-08	0	154.99



Result 8 x

Na máquina: João

Time:

# Desafio 04

```
8 • select name as jogo, publisher as empresa, year(release_date) as lancamento, required_age as idade_minima, price as preco
9 from gamecatalog
10 order by price desc;
```

Result Grid					
Filter Rows: <input type="text"/>					
Export:  Wrap Cell Content:  Fetch rows: 					
jogo	empresa	lancamento	idade_minima	preco	
▶ ADR-Labeling Game	Suomen Kuljetusturva Oy	2018	0	421.99	
GameMaker Studio 2 UWP	YoYo Games Ltd.	2017	0	303.99	
Houdini Indie	SideFX	2018	0	209.99	
3DF Zephyr Lite Steam Editio	3Dflow SRL	2016	0	154.99	
Tactics: Bludgeons Blessing	Capt. McCay Soft	2017	0	154.99	
Silhouette	Apeiron Games	2016	0	154.99	
GameMaker Studio 2 Mobile	YoYo Games Ltd.	2017	0	154.99	






Result 12 x

Na máquina: João  
Time:

# Desafio 05

```
54187
54188 • select name as jogos,release_date as ano_lancamento , developer as empresa , required_age as idade_minima,round(price, 3) as preco
54189 from gamecatalog
54190 order by price desc;
54191
54192
```

<


Result Grid |   Filter Rows:  | Export:  | Wrap Cell Content:  | Fetch rows: 

	jogos	ano_lancamento	empresa	idade_minima	preco
▶	ADR-Labeling Game	2018-04-12	Suomen Kuljetusturva Oy	0	421.990
	GameMaker Studio 2 UWP	2017-03-08	YoYo Games Ltd.	0	303.990
	Houdini Indie	2018-10-10	SideFX	0	209.990
	3DF Zephyr Lite Steam Editio	2016-02-02	3Dflow SRL	0	154.990
	Tactics: Bludgeons Blessing	2017-07-04	Capt. McCay Soft	0	154.990
	Silhouette	2016-11-13	Apeiron Games	0	154.990

Na máquina: Samuel e João  
Time:

# Desafio 06

```
0 • select name as jogos,release_date as ano_lancamento , developer as empresa , release_date as ano_lancamento , required_age as idade_minima,price as preco
1 from gamecatalog
2 where developer = 'Valve';
```

Result Grid |  Filter Rows:  | Export:  | Wrap Cell Content: 

jogos	ano_lancamento	empresa	ano_lancamento	idade_minima	preco
Counter-Strike	2000-11-01	Valve	2000-11-01	0	7.19
Team Fortress Classic	1999-04-01	Valve	1999-04-01	0	3.99
Day of Defeat	2003-05-01	Valve	2003-05-01	0	3.99
Deathmatch Classic	2001-06-01	Valve	2001-06-01	0	3.99
Ricochet	2000-11-01	Valve	2000-11-01	0	3.99
Half-Life	1998-11-08	Valve	1998-11-08	0	7.19

Na máquina: Samuel  
Time:



# Desafio 07

```
select*  
  from gamecatalog  
 where publisher='Valve' and price <=5;
```

Table Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

appid	name	release_date	english	developer	publisher	platforms	required_age
0	Team Fortress Classic	1999-04-01	1	Valve	Valve	windows mac linux	0
0	Day of Defeat	2003-05-01	1	Valve	Valve	windows mac linux	0
0	Deathmatch Classic	2001-06-01	1	Valve	Valve	windows mac linux	0
0	Half-Life: Opposing Force	1999-11-01	1	Gearbox Software	Valve	windows mac linux	0
0	Ricochet	2000-11-01	1	Valve	Valve	windows mac linux	0
30	Half-Life: Blue Shift	2001-06-01	1	Gearbox Software	Valve	windows mac linux	0

Na máquina: Mikael  
Time:



# Desafio 08

```
9 • select *
10 from gamecatalog
11 where developer='Valve' and price<=5 and not price=0;
```

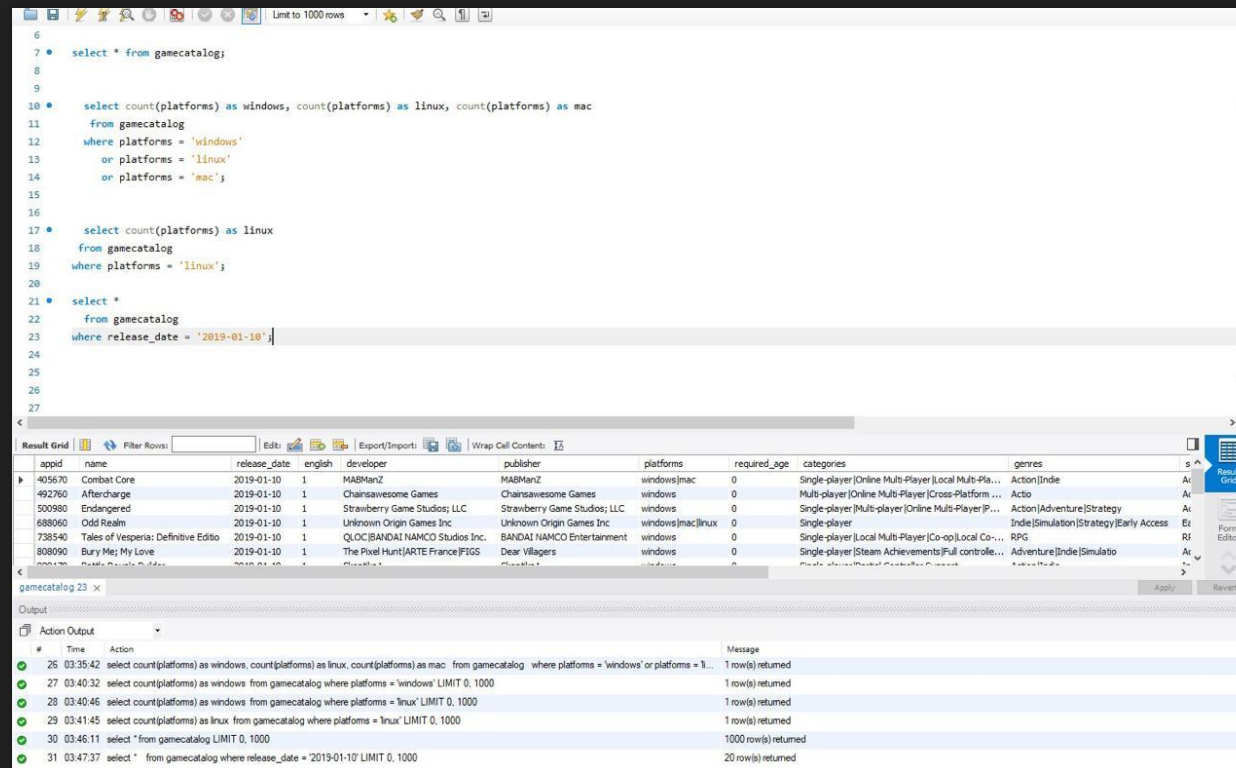
Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

	appid	name	release_date	english	developer	publisher	platforms	required_age	categories	genres	steamspy_tags	achievements	positive_ratings	negative
▶	20	Team Fortress Classic	1999-04-01	1	Valve	Valve	windows mac linux	0	Multi-player Online Multi-Player Local Multi-Play...	Action	Action FPS Multiplayer	0	3318	633
	30	Day of Defeat	2003-05-01	1	Valve	Valve	windows mac linux	0	Multi-player Valve Anti-Cheat enabled	Action	FPS World War II Multiplayer	0	3416	398
	40	Deathmatch Classic	2001-06-01	1	Valve	Valve	windows mac linux	0	Multi-player Online Multi-Player Local Multi-Play...	Action	Action FPS Multiplayer	0	1273	267
	60	Ricochet	2000-11-01	1	Valve	Valve	windows mac linux	0	Multi-player Online Multi-Player Valve Anti-Chea...	Action	Action FPS Multiplayer	0	2758	684
	320	Half-Life 2: Deathmatch	2004-11-01	1	Valve	Valve	windows mac linux	0	Multi-player Valve Anti-Cheat enabled Includes ...	Action	Action FPS Multiplayer	0	6020	787
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

gamecatalog 17 x

Na máquina: Samuel, João e Luik  
Time:

# Desafio 09



The screenshot shows a SQL IDE interface. The query editor contains three SQL queries:

```
6
7 • select * from gamecatalog;
8
9
10 • select count(platforms) as windows, count(platforms) as linux, count(platforms) as mac
11   from gamecatalog
12   where platforms = 'windows'
13   or platforms = 'linux'
14   or platforms = 'mac';
15
16
17 • select count(platforms) as linux
18   from gamecatalog
19   where platforms = 'linux';
20
21 • select *
22   from gamecatalog
23   where release_date = '2019-01-10';
24
25
26
27
```

Below the query editor is the "Result Grid" showing the results of the queries. The first query returns all rows from the gamecatalog table. The second query returns the count of games for each platform. The third query returns all games released on 2019-01-10.

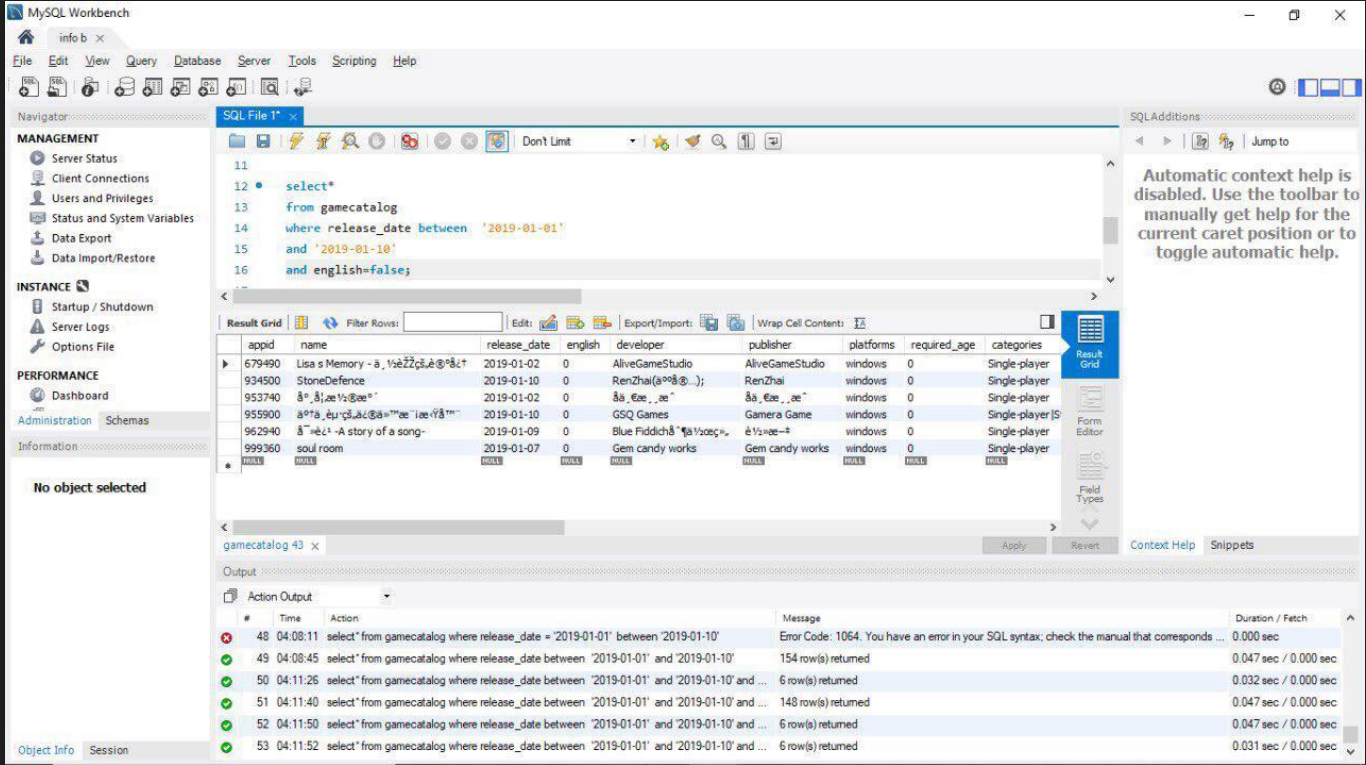
appid	name	release_date	english	developer	publisher	platforms	required_age	categories	genres
405670	Combat Core	2019-01-10	1	MABManZ	MABManZ	windows mac	0	Single-player Online Multi-Player Local Multi-Pla...	Action Indie
492760	Aftercharge	2019-01-10	1	Chainsawesome Games	Chainsawesome Games	windows	0	Multi-player Online Multi-Player Cross-Platform ...	Action
500980	Endangered	2019-01-10	1	Strawberry Game Studios; LLC	Strawberry Game Studios; LLC	windows	0	Single-player Multi-player Online Multi-Player P...	Action Adventure Strategy
688060	Odd Realm	2019-01-10	1	Unknown Origin Games Inc	Unknown Origin Games Inc	windows mac linux	0	Single-player	Indie Simulation Strategy Early Access
738540	Tales of Vesperia: Definitive Editio	2019-01-10	1	QLOC BANDAI NAMCO Studios Inc.	BANDAI NAMCO Entertainment	windows	0	Single-player Local Multi-Player Co-op Local Co...	RPG
808090	Bury Me; My Love	2019-01-10	1	The Pixel Hunt ARTE France FIGS	Dear Villagers	windows	0	Single-player Steam Achievements Full controle...	Adventure Indie Simulatio

The "Action Output" section shows the execution progress of the queries:

#	Time	Action	Message
26	03:35:42	select count(platforms) as windows, count(platforms) as linux, count(platforms) as mac from gamecatalog where platforms = 'windows' or platforms = 'linux' or platforms = 'mac' LIMIT 0, 1000	1 row(s) returned
27	03:40:32	select count(platforms) as windows from gamecatalog where platforms = 'windows' LIMIT 0, 1000	1 row(s) returned
28	03:40:46	select count(platforms) as linux from gamecatalog where platforms = 'linux' LIMIT 0, 1000	1 row(s) returned
29	03:41:45	select count(platforms) as linux from gamecatalog where platforms = 'linux' LIMIT 0, 1000	1 row(s) returned
30	03:46:11	select * from gamecatalog LIMIT 0, 1000	1000 row(s) returned
31	03:47:37	select * from gamecatalog where release_date = '2019-01-10' LIMIT 0, 1000	20 row(s) returned

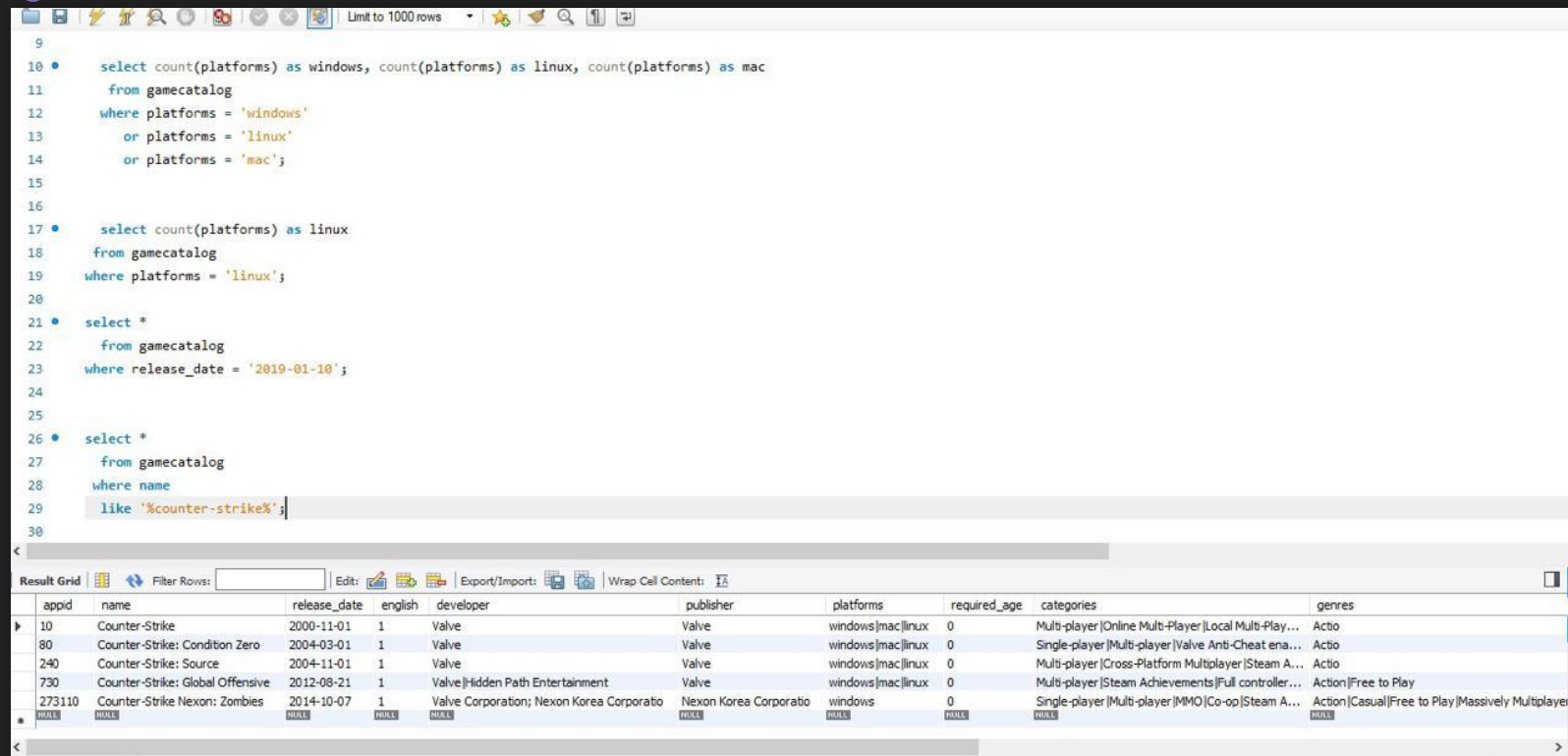
Na máquina: Luik Castro  
Time:

# Desafio 10



Na máquina: Matheus  
Time:

# Desafio 11



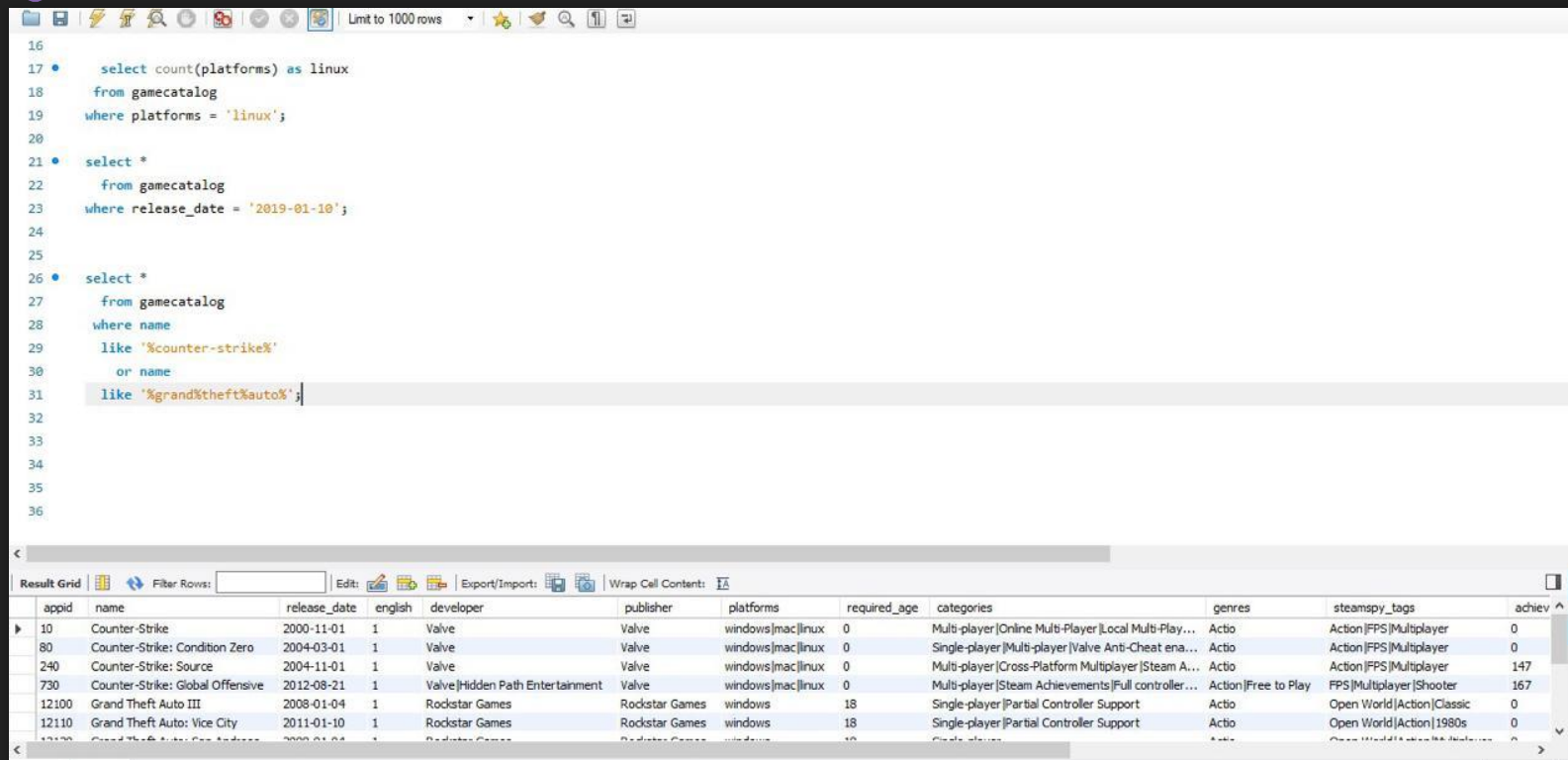
```
9
10 • select count(platforms) as windows, count(platforms) as linux, count(platforms) as mac
11   from gamecatalog
12  where platforms = 'windows'
13     or platforms = 'linux'
14     or platforms = 'mac';
15
16
17 • select count(platforms) as linux
18   from gamecatalog
19  where platforms = 'linux';
20
21 • select *
22   from gamecatalog
23  where release_date = '2019-01-10';
24
25
26 • select *
27   from gamecatalog
28  where name
29     like '%counter-strike%';
30
```

Result Grid

	appid	name	release_date	english	developer	publisher	platforms	required_age	categories	genres
▶	10	Counter-Strike	2000-11-01	1	Valve	Valve	windows mac linux	0	Multi-player Online Multi-Player Local Multi-Play...	Action
	80	Counter-Strike: Condition Zero	2004-03-01	1	Valve	Valve	windows mac linux	0	Single-player Multi-player Valve Anti-Cheat ena...	Action
	240	Counter-Strike: Source	2004-11-01	1	Valve	Valve	windows mac linux	0	Multi-player Cross-Platform Multiplayer Steam A...	Action
	730	Counter-Strike: Global Offensive	2012-08-21	1	Valve Hidden Path Entertainment	Valve	windows mac linux	0	Multi-player Steam Achievements Full controller...	Action Free to Play
	273110	Counter-Strike Nexon: Zombies	2014-10-07	1	Valve Corporation; Nexon Korea Corporatio	Nexon Korea Corporatio	windows	0	Single-player Multi-player MMO Co-op Steam A...	Action Casual Free to Play Massively Multiplayer
•	NOTE	NOTE	NOTE	NOTE	NOTE	NOTE	NOTE	NOTE	NOTE	NOTE

Na máquina: Luik Castro  
Time:

# Desafio 12



The screenshot shows a SQL query editor with three queries and a result grid below them.

Query 1 (Line 17):

```
select count(platforms) as linux
from gamecatalog
where platforms = 'linux';
```

Query 2 (Line 21):

```
select *
from gamecatalog
where release_date = '2019-01-10';
```

Query 3 (Line 26):

```
select *
from gamecatalog
where name
like '%counter-strike%'
or name
like '%grand%theft%auto%';
```

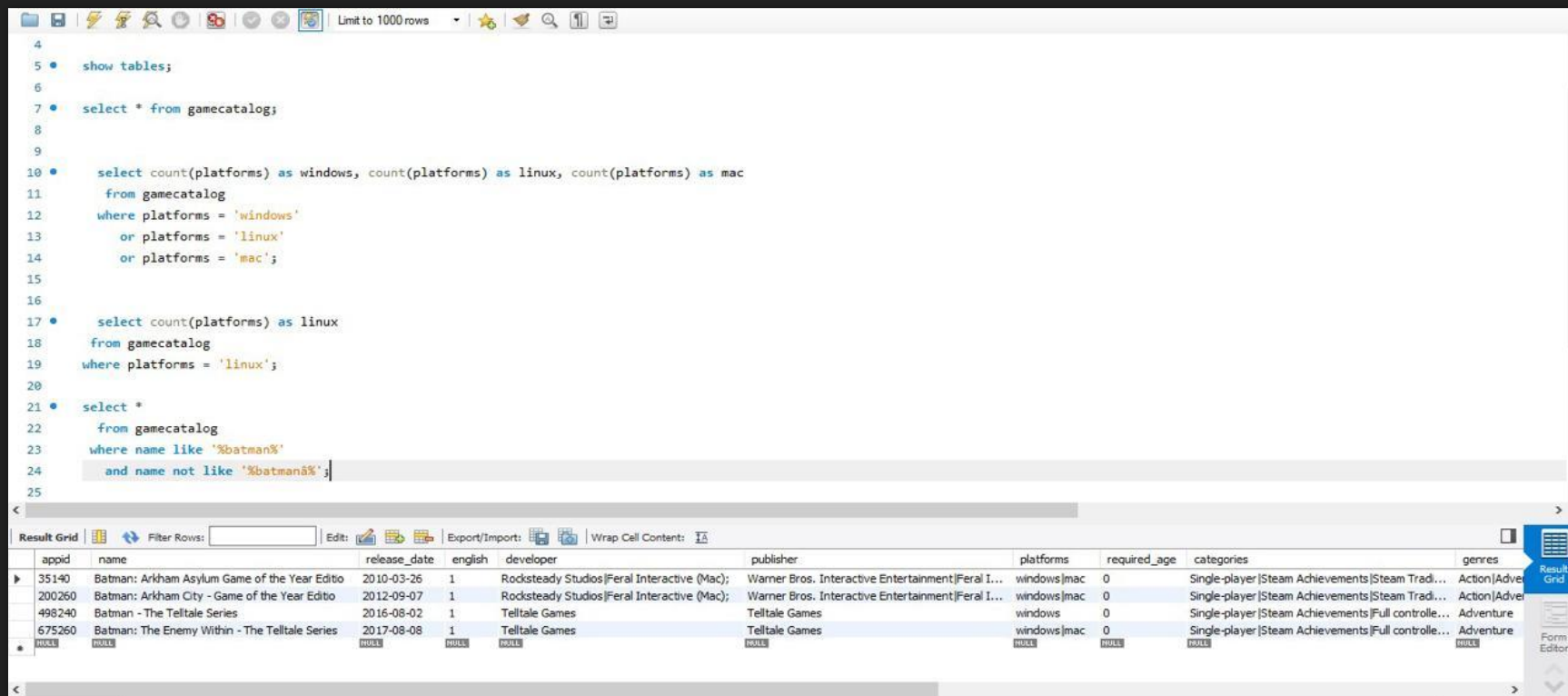
Result Grid (Line 32):

appid	name	release_date	english	developer	publisher	platforms	required_age	categories	genres	steamspy_tags	achiev
10	Counter-Strike	2000-11-01	1	Valve	Valve	windows mac linux	0	Multi-player Online Multi-Player Local Multi-Play...	Action	Action FPS Multiplayer	0
80	Counter-Strike: Condition Zero	2004-03-01	1	Valve	Valve	windows mac linux	0	Single-player Multi-player Valve Anti-Cheat ena...	Action	Action FPS Multiplayer	0
240	Counter-Strike: Source	2004-11-01	1	Valve	Valve	windows mac linux	0	Multi-player Cross-Platform Multiplayer Steam A...	Action	Action FPS Multiplayer	147
730	Counter-Strike: Global Offensive	2012-08-21	1	Valve Hidden Path Entertainment	Valve	windows mac linux	0	Multi-player Steam Achievements Full controller...	Action Free to Play	FPS Multiplayer Shooter	167
12100	Grand Theft Auto III	2008-01-04	1	Rockstar Games	Rockstar Games	windows	18	Single-player Partial Controller Support	Action	Open World Action Classic	0
12110	Grand Theft Auto: Vice City	2011-01-10	1	Rockstar Games	Rockstar Games	windows	18	Single-player Partial Controller Support	Action	Open World Action 1980s	0

Na máquina: Luik Castro  
Time:



# Desafio 13



The screenshot shows a database query editor with a toolbar at the top. The SQL editor contains the following queries:

```
4
5 • show tables;
6
7 • select * from gamecatalog;
8
9
10 • select count(platforms) as windows, count(platforms) as linux, count(platforms) as mac
11     from gamecatalog
12     where platforms = 'windows'
13        or platforms = 'linux'
14        or platforms = 'mac';
15
16
17 • select count(platforms) as linux
18     from gamecatalog
19     where platforms = 'linux';
20
21 • select *
22     from gamecatalog
23     where name like '%batman%'
24        and name not like '%batman%';
25
```

Below the editor is the "Result Grid" showing the results of the last query. The grid has columns: appid, name, release\_date, english, developer, publisher, platforms, required\_age, categories, and genres. The results are as follows:

appid	name	release_date	english	developer	publisher	platforms	required_age	categories	genres
35140	Batman: Arkham Asylum Game of the Year Editio	2010-03-26	1	Rocksteady Studios Feral Interactive (Mac);	Warner Bros. Interactive Entertainment Feral I...	windows mac	0	Single-player Steam Achievements Steam Tradi...	Action Adver
200260	Batman: Arkham City - Game of the Year Editio	2012-09-07	1	Rocksteady Studios Feral Interactive (Mac);	Warner Bros. Interactive Entertainment Feral I...	windows mac	0	Single-player Steam Achievements Steam Tradi...	Action Adver
498240	Batman - The Telltale Series	2016-08-02	1	Telltale Games	Telltale Games	windows	0	Single-player Steam Achievements Full controle...	Adventure
675260	Batman: The Enemy Within - The Telltale Series	2017-08-08	1	Telltale Games	Telltale Games	windows mac	0	Single-player Steam Achievements Full controle...	Adventure

Na máquina: Luik Castro  
Time:

# Desafio 14

```

20
21 • select publisher, avg(price) as media
22     from gamecatalog
23     where publisher = 'Ubisoft'
24         or publisher = 'Valve'
25         or publisher = 'Electronic Arts'
26     group by publisher
27     order by media desc;
28
29 • select *
30     from gamecatalog
31     where name like 'a%'
32         and categories like '%online%'
33         and genres like '%RPG%'
34         and median_playtime > 500
35     group by release_date
36     order by release_date;
37
38
39
40
41

```

Result Grid

appid	name	release_date	english	developer	publisher	platforms	required_age	categories	genres	steampsy_tags
290340	Armello	2015-09-01	1	League of Geeks	League of Geeks	windows mac linux	0	Single-player Online Multi-Player Steam Achieve...	Adventure Indie RPG Strategy	Board Game Turn-Base
761890	Albion Online	2018-05-16	1	Sandbox Interactive GmbH	Sandbox Interactive GmbH	windows mac linux	0	Online Multi-Player MMO Cross-Platform Multipl...	Free to Play Massively Multiplayer RPG	Massively Multiplayer JR
834910	ATLAS	2018-12-22	1	Grapeshot Games Instruct Games	Grapeshot Games	windows	0	Online Multi-Player MMO Co-op Online Co-op St...	Action Adventure Massively Multiplayer RPG Ea...	Early Access Survival C

gamecatalog 8 x

Output

Action Output

#	Time	Action	Message
4	06:56:41	select * from gamecatalog where name like 'a%'; LIMIT 0, 1000	1000 row(s) returned
5	06:57:27	select * from gamecatalog where name like 'a%' and categories like '%online%'; LIMIT 0, 1000	180 row(s) returned
6	06:58:31	select * from gamecatalog where name like 'a%' and categories like '%online%' and median_playtime >= 500; LIMIT 0, 1000	12 row(s) returned
7	06:59:33	select * from gamecatalog where name like 'a%' and categories like '%online%' and median_playtime > 500 group by release_date order by release_date;	12 row(s) returned
8	07:01:38	select * from gamecatalog where name like 'a%' and categories like '%online%' and median_playtime > 500 group by release_date order by release_date;	12 row(s) returned
9	07:03:01	select * from gamecatalog where name like 'a%' and categories like '%online%' and genres like '%RPG%' and median_playtime > 500 group by release_date order by release_date;	3 row(s) returned

Na máquina: Luik  
Time:



# Desafio 15

The screenshot shows a database management interface with two main sections: a SQL editor and a results pane.

**SQL Editor:** The editor contains two SQL queries. The first query filters games by publisher ('Ubisoft', 'Valve', 'Electronic Arts') and orders them by media type. The second query filters games by name (starting with 'b'), negative ratings (0), and positive ratings (between 3 and 5), grouped and ordered by release date.

**Results Pane:** The results pane displays a table of game data. The table has columns: appid, name, release\_date, english, developer, publisher, platforms, required\_age, categories, genres, steamspy\_tags, achievements, positive\_ratings, and negative\_ratings. The data shows two rows of game information.

**Output Log:** The output log shows the execution of the queries. It indicates that the first query returned 4 rows, the second query returned 1000 rows, and the third query returned 2 rows. The log also shows an error message for the third query: "Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'and positive\_ratings between '3' and '5' ...' at line 10".

appid	name	release_date	english	developer	publisher	platforms	required_age	categories	genres	steamspy_tags	achievements	positive_ratings	negative_ratings
892470	BVRGER VA	2018-07-27	1	Patchwork Games	Patchwork Games	windows	0	Single-player	Casual Indie Strategy	Strategy Indie Casual	0	5	0
945390	Bala na manga	2019-02-22	1	Samuel Sales mes	MACAMANDI	windows	0	Single-player Local Multi-Player Shared/Split Scree	Casual Indie Strategy	Indie Casual Strategy	0	3	0

#	Time	Action	Message
12	07:07:19	select * from gamecatalog where name like 'b%' and name like '%a' and negative_ratings like '0' LIMIT 0, 1000	4 row(s) returned
13	07:08:45	select * from gamecatalog where name like 'b%' and name like '%a' and negative_ratings like '0' and positive_ratings like between '3' and '5' ...	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'and positive_ratings between '3' and '5' ...' at line 10
14	07:08:52	select * from gamecatalog LIMIT 0, 1000	1000 row(s) returned
15	07:09:12	select * from gamecatalog where name like 'b%' and name like '%a' and negative_ratings like '0' and positive_ratings between '3' and '5' L...	2 row(s) returned
16	07:09:49	select * from gamecatalog where name like 'b%' and name like '%a' and negative_ratings like '0' and positive_ratings between '3' and '5' ...	2 row(s) returned
17	07:10:26	select * from gamecatalog where name like 'b%' and name like '%a' and negative_ratings like '0' and positive_ratings between '3' and '5' ...	2 row(s) returned

Na máquina: Luik  
Time:

# Desafio 16

```
23   where publisher = 'Ubisoft'
24   or publisher = 'Valve'
25   or publisher = 'Electronic Arts'
26 group by publisher
27 order by media desc;
28
29 • select *
30   from gamecatalog
31   where name like 'b%'
32   and name like '%a'
33   and negative_ratings like '0'
34   and positive_ratings between '3' and '5'
35   group by release_date
36   order by release_date;
37
38 • select *
39   from gamecatalog
40   where name like 'a%'
41   or name like 'c%'
42   group by release_date
43   order by release_date desc;
44
```

appid	name	release_date	english	developer	publisher	platforms	required_age	categories	genres
905370	Conqueror's Blade	2019-05-01	1	Booming Games	My.com	windows	0	Online Multi-Player [MMO] Online Co-op [In-App P...	Action [Free to Play] Massively Multiplayer [RPG]
1062240	QZQ Studio	2019-04-25	0	QZQ Studio	H.P.Y.S.J.LLC	windows	0	Single-player	Action [Adventure] Indie [RPG]
920200	Artificial Mansio	2019-04-24	1	RhinoGearz	RhinoGearz	windows [mac] linux	0	Single-player	Casual [Indie] Simulatio
1064580	Captain Marlene	2019-04-23	1	Dnovel	Dnovel	windows	0	Single-player	Adventure [Indie] Early Access
1060170	Azrael's Circle: Chapter 4	2019-04-22	1	Jordan Alle	Jordan Alle	windows	0	Single-player	Adventure [Indie]
979580	The Counterattack Of Sacrifice	2019-04-21	1	Dai Yong Xiang	Qin's Games	windows	0	Single-player	Adventure [Indie]

gamecatalog 19 x

Output:

#	Time	Action	Message
16	07:09:49	select * from gamecatalog where name like 'b%' and name like '%a' and negative_ratings like '0' and positive_ratings between '3' and '5'	2 row(s) returned
17	07:10:26	select * from gamecatalog where name like 'b%' and name like '%a' and negative_ratings like '0' and positive_ratings between '3' and '5'	2 row(s) returned
18	07:12:24	select * from gamecatalog where name like 'b%' or name like '%a' and negative_ratings like '0' and positive_ratings between '3' and '5'	931 row(s) returned
19	07:12:39	select * from gamecatalog where name like 'b%' and name like '%a' and negative_ratings like '0' and positive_ratings between '3' and '5'	2 row(s) returned
20	07:13:32	select * from gamecatalog where name like 'a%' or name like 'c%' group by release_date order by release_date desc LIMIT 0, 1000	0 row(s) returned
21	07:13:46	select * from gamecatalog where name like 'a%' or name like 'c%' group by release_date order by release_date desc LIMIT 0, 1000	1000 row(s) returned

Na máquina: Luik  
Time:

# Desafio 17

The screenshot shows a database query editor with the following SQL code:

```
33 and negative_ratings like '0'
34 and positive_ratings between '3' and '5'
35 group by release_date
36 order by release_date;
37
38 • select *
39   from gamecatalog;
40 where name like 'a%'
41    or name like 'c%'
42 group by release_date
43 order by release_date desc;
44
45 • select *
46   from gamecatalog
47  where (name like 'a%'
48         or name like 'c%'
49         or name like 'm%')
50 and (platforms not like '%windows%');
51
52
53
54
```

Below the code is a "Result Grid" showing a table with 11 columns: appid, name, release\_date, english, developer, publisher, platforms, required\_age, categories, genres, steamspy\_tags, and achieved. The table contains 4 rows of data.

appid	name	release_date	english	developer	publisher	platforms	required_age	categories	genres	steamspy_tags	achieved
214630	Call of Duty: Black Ops - Mac Editio	2012-09-27	1	Aspyr	Aspyr	mac	18	Single-player Multi-player Co-op Steam Achieve...	Action	Action Zombies Multiplayer	68
594550	Arma: Cold War Assault Mac/Linux	2017-03-14	1	Bohemia Interactive	Bohemia Interactive	mac linux	16	Single-player	Violent Action Simulation Strategy	Simulation Strategy Action	0
694180	MobileZombie	2017-10-13	1	YIMING ZHANG	YIMING ZHANG	mac	0	Single-player Partial Controller Support	Adventure Casual Free to Play Indie	Free to Play Adventure Indie	0

Below the result grid is an "Output" section showing a log of actions and messages. The log includes the following entries:

#	Time	Action	Message
75	08:15:15	select * from gamecatalog where name like 'a%' or name like 'c%' or name like 'm%' and platforms not like ('%windows%') LIMIT 0, 1000	1000 row(s) returned
76	08:15:23	select * from gamecatalog where name like 'a%' or name like 'c%' or name like 'm%' and platforms not like (windows) LIMIT 0, 1000	Error Code: 1054. Unknown column 'windows' in 'where clause'
77	08:15:25	select * from gamecatalog where name like 'a%' or name like 'c%' or name like 'm%' and platforms not like (windows) LIMIT 0, 1000	Error Code: 1054. Unknown column 'windows' in 'where clause'
78	08:15:29	select * from gamecatalog where name like 'a%' or name like 'c%' or name like 'm%' and platforms not like (windows) LIMIT 0, 1000	1000 row(s) returned
79	08:15:38	select * from gamecatalog where name like 'a%' or name like 'c%' or name like 'm%' and platforms not like ("%windows%") LIMIT 0, 1000	1000 row(s) returned
80	08:16:32	select * from gamecatalog where (name like 'a%' or name like 'c%' or name like 'm%') and (platforms not like '%windows%') LIMIT 0, 1000	3 row(s) returned

Na máquina: Luik  
Time:

# Desafio 18

The screenshot displays a MySQL IDE interface with a SQL editor at the top and a results/output pane at the bottom. The SQL editor contains three queries:

```
14 or platforms = 'mac';
15
16
17 • select count(platforms) as linux
18 from gamecatalog
19 where platforms = 'linux';
20
21 • select publisher, avg(price) as media
22 from gamecatalog
23 where publisher = 'Ubisoft'
24 or publisher = 'Valve'
25 or publisher = 'Electronic Arts';
26 group by publisher
27 order by media desc;
28
29 • select *
30 from gamecatalog
31 where english = 1
32 and release_date
33 like '%2019%'
34 and required_age >=18;
```

The results pane shows the output of the third query, displaying a table with columns: appid, name, release\_date, english, developer, publisher, platforms, required\_age, categories, and genres. The table contains 19 rows of game data.

The output pane also shows the execution log for the queries:

```
95 05:01:32 select appid, name, release_date, average_playtime from gamecatalog where release_date like '%2019%' group by average_playtime order by ave... Error Code: 1054. Unknown column 'release_date' in 'where clause'
96 05:02:44 select appid, name, release_date, average_playtime from gamecatalog where release_date like '%2019%' and average_playtime != 0 group by a... 86 row(s) returned
97 05:05:59 select * from gamecatalog LIMIT 0, 1000 1000 row(s) returned
98 05:08:47 select * from gamecatalog where english = 1 and like release_date = '%2019%' Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the rig...
99 05:08:54 select * from gamecatalog LIMIT 0, 1000 1000 row(s) returned
100 05:10:15 select * from gamecatalog where english = 1 and release_date like '%2019%' and required_age >=18 LIMIT 0, 1000 19 row(s) returned
```

Na máquina:  
Time:

# Desafio 19

Query 1

```
1 • show databases;
2
3 • use steamdb;
4
5 • show tables;
6
7 • select * from gamecatalog;
8
9
10 • select count(platforms) as windows, count(platforms) as linux, count(platforms) as mac
11     from gamecatalog
12     where platforms = 'windows'
13        or platforms = 'linux'
14        or platforms = 'mac';
15
16
17 • select count(platforms) as linux
18     from gamecatalog
19     where platforms = 'linux';
20
21 • select *
22     from gamecatalog
```

Result Grid

appid	name	release_date	english	developer	publisher	platforms	required_age	categories	genres	steamspy_tags	achievements	p
22650	Alien Breed 2: Assault	2010-09-22	1	Team17 Digital Ltd	Team17 Digital Ltd	windows	0	Single-player Co-op Steam Achievements Part...	Action	Action Shooter Isometric	13	47
27810	Gridrunner Revolutio	2010-02-22	1	Llamasoft LTD	Llamasoft LTD	windows	0	Single-player Partial Controller Support	Indie	Arcade Indie Psychedelc	0	36
33760	The Search for Amelia Earhart	2010-02-22	1	Bamtang	ValuSoft Retroism	windows	0	Single-player	Casual	Casual Hidden Object	0	1
45710	Dark Void 4	2010-01-22	1	Airtight Games	Capcom	windows	0	Single-player Partial Controller Support	Action Adventure	Action Adventure Third-Person Shooter	0	21
46000	Bob Came in Pieces	2010-01-22	1	Ludosity	Ludosity	windows mac	0	Single-player Steam Achievements Partial Contr...	Adventure Indie	Indie Adventure Puzzle	81	68
46200	A.I.M. Racing	2010-01-22	1	SkyRiver Studios	1C Entertainment	windows	0	Single-player Partial Controller Support Steam ...	Action Racing	Racing Actio	0	54
60300	Dark Void	2010-01-22	1	Team17 Digital Ltd	Team17 Digital Ltd	windows	0	Single-player Partial Controller Support Steam ...	Action Adventure	Action Adventure Third-Person Shooter	0	21

gamecatalog 43 x

Apply Revert

Na máquina: Luik Castro  
Time:

# Desafio 20

```
7 • select * from gamecatalog;
8
9
10 • select count(platforms) as windows, count(platforms) as linux, count(platforms) as mac
11   from gamecatalog
12   where platforms = 'windows'
13   or platforms = 'linux'
14   or platforms = 'mac';
15
16
17 • select count(platforms) as linux
18   from gamecatalog
19   where platforms = 'linux';
20
21 • select *,
22   length(name)
23   from gamecatalog
24   where length(name)=10;
```

appid	name	release_date	english	developer	publisher	platforms	required_age	categories	genres	steamspy_tags
1530	Multivirnia	2008-09-19	1	Introversion Software	Introversion Software	windows mac	0	Single-player Multi-player Steam Achievements	Indie	Indie RTS Strategy
1900	Earth 2160	2006-04-01	1	Reality Pump Studios	Topware Interactive ACE	windows mac linux	0	Single-player Multi-player Co-op Cross-Platform...	Strategy	Strategy RTS Sci-fi
2290	Final DOOM	2007-08-03	1	id Software	id Software	windows	0	Single-player Steam Cloud	Action	FPS Action Classic
2610	GUNÅ.4	2006-10-13	1	Neversoft	Activision	windows	0	Single-player	Action	Western Action Open World
2810	X3: Reuno	2006-07-21	1	Esoft	Esoft	windows mac linux	0	Single-player Captions available Steam Cloud	Strategy	Space Simulation Strategy
3810	BloodRayne	2006-09-14	1	Terminal Reality	Majesco Entertainment	windows	0	Single-player Steam Trading Cards	Action	Action Vampire Female Protagonist

Result 56 x

Output

#	Time	Action	Message
74	04:31:26	select *, length(name) from gamecatalog	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right e
75	04:31:48	select *, length(name) from gamecatalog LIMIT 0, 1000	1000 row(s) returned
76	04:31:48	where length(name)=10	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right e
77	04:32:04	select *, length(name) from gamecatalog LIMIT 0, 1000	1000 row(s) returned
78	04:32:04	where length(name)<10	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right e
79	04:32:27	select *, length(name) from gamecatalog where length(name)=10 LIMIT 0, 1000	1000 row(s) returned

Na máquina: Luik Castro  
Time:

# Desafio 21

The screenshot shows a database query tool interface. The top section contains three SQL queries. The first query filters games by name containing 'a' or 'c' and orders them by release date. The second query filters games by publisher 'Activision' and specific character counts in the name. The third query filters games by name length, tags, and ratings.

```
37
38 • select *
39   from gamecatalog;
40 where name like 'a%'
41    or name like 'c%'
42 group by release_date
43 order by release_date desc;
44
45 • select *
46   from gamecatalog
47  where publisher = "Activision"
48     and instr(name, 'a')=2
49     and instr(name, 'd')=9;
50
51 • select*,
52     length(name)
53   from gamecatalog
54  where length(name) between 10 and 15
55     and steamspy_tags like '%Zombies%'
56     and positive_ratings > 70000;
57
58
```

Below the queries is a 'Result Grid' showing data for two rows. The first row is for 'Left 4 Dead 2' and the second is for 'Dying Light'. The grid includes columns for appid, name, release\_date, english, developer, publisher, platforms, required\_age, categories, genres, steamspy\_tags, achievements, positive\_ratings, and negative\_ratings.

appid	name	release_date	english	developer	publisher	platforms	required_age	categories	genres	steamspy_tags	achievements	positive_ratings	negative_ratings
550	Left 4 Dead 2	2009-11-19	1	Valve	Valve	windows mac linux	0	Single-player Multi-player Co-op Steam Achieve...	Actio	Zombies Co-op FPS	70	251789	8418
239140	Dying Light	2015-01-26	1	Techland	Techland Publishing	windows mac linux	18	Single-player Multi-player Co-op Steam Achieve...	Action RPG	Zombies Survival Open World	68	78192	6176

At the bottom, an 'Action Output' table shows the execution of the queries. It includes columns for #, Time, Action, and Message. The messages indicate the number of rows returned for each query and an error for the third query due to an unknown column 'steamspy\_tags'.

#	Time	Action	Message
64	07:55:33	select*, length(name) from gamecatalog where length(name) between 10 and 15 and steamspy_tags like "%Zombies%" LIMIT 0, 1000	Error Code: 1054. Unknown column 'steamspy_tags' in 'where clause'
65	07:55:44	select * from gamecatalog LIMIT 0, 1000	1000 row(s) returned
66	07:56:29	select*, length(name) from gamecatalog where length(name) between 10 and 15 and steamspy_tags like "%Zombies%" LIMIT 0, 1000	52 row(s) returned
67	07:57:24	select*, length(name) from gamecatalog where length(name) between 10 and 15 and steamspy_tags like "%Zombies%" and p...	9 row(s) returned
68	07:57:58	select*, length(name) from gamecatalog where length(name) between 10 and 15 and steamspy_tags like "%Zombies%" and p...	9 row(s) returned
69	07:58:07	select*, length(name) from gamecatalog where length(name) between 10 and 15 and steamspy_tags like "%Zombies%" and p...	2 row(s) returned

Na máquina: Luik  
Time:



# Desafio 22

```
31 where name like "a%"
32 and name like "Sa"
33 and negative_ratings like "0"
34 and positive_ratings between "3" and "5"
35 group by release_date
36 order by release_date;
37
38 *
39 select *
40 from gamecatalog
41 where name like "a%"
42 or name like "cs%"
43 group by release_date
44 order by release_date desc;
45
46 *
47 select *
48 from gamecatalog
49 where publisher = "Activision"
50 and instr(name, "a")=2
51 and instr(name, "d")=0;
```

appid	name	release_date	english	developer	publisher	platform	required_age	categories	genres	steamspy_tags	act
2630	Call of Duty®: Infinite Warfare	2016-10-13	1	Infinity Ward	Activision	windows	0	Single-player (Multi-player)	Action	FPS (World War II) Action	0
2640	Call of Duty: Warzone	2020-03-10	1	Infinity Ward	Activision	windows	0	Single-player (Multi-player)	Action	Action (World War II) FPS	0
2090	Call of Duty: World at War	2008-11-18	1	Treyarch	Activision	windows	16	Single-player (Multi-player) Co-op	Action	Zombies (World War II) FPS	0
42790	Call of Duty®: Black Ops	2010-11-08	1	Treyarch	Activision	windows	16	Single-player (Multi-player) Co-op (Steam Achievements)	Action	Action (FPS) Zombies	68
202970	Call of Duty®: Black Ops II	2012-11-12	1	Treyarch	Activision	windows	16	Single-player (Multi-player) Co-op (Steam Achievements)	Action	Action (Multiplayer) FPS	25
209360	Call of Duty®: Ghosts	2014-03-25	1	Infinity Ward	Activision	windows	16	Single-player (Multi-player) (Steam Achievements)	Action	Dog (FPS) Action	10

gamecatalog 49

Output

#	Time	Action	Message
57	07:40:30	select * from gamecatalog where publisher = "Activision" and instr = (a', 2) and instr = (d', 0) LIMIT 0, 1000	Error Code: 1054. Unknown column 'instr' in 'where clause'
58	07:41:00	select * from gamecatalog where publisher = "Activision" LIMIT 0, 1000	44 row(s) returned
59	07:42:44	select * from gamecatalog where publisher = "Activision" and instr(name, 'a')=2 LIMIT 0, 1000	17 row(s) returned
60	07:43:12	select * from gamecatalog where publisher = "Activision" and instr(name, 'a')=2 and instr(name, 'd')=0 LIMIT 0, 1000	10 row(s) returned
61	07:44:12	select * from gamecatalog where publisher = "Activision" and instr(name, 'a')=2 and instr(name, 'd')=0 and release_date like "2014%" LIMIT 0, 1000	2 row(s) returned
62	07:46:22	select * from gamecatalog where publisher = "Activision" and instr(name, 'a')=2 and instr(name, 'd')=0 LIMIT 0, 1000	10 row(s) returned

Na máquina: Luik  
Time:

# Desafio 23

```
31 where name like 'a%'
32 and name like 'e%'
33 and negative_ratings like '0'
34 and positive_ratings between '3' and '5'
35 group by release_date
36 order by release_date;
37
38 *
39 select *
40 from gamecatalog
41 where name like 'a%'
42 or name like 'e%'
43 group by release_date
44 order by release_date desc;
45
46 *
47 select *
48 from gamecatalog
49 where publisher = "Activision"
50 and instr(name, 'a')>2
51 and instr(name, 'e')>3
52 and release_date like "2014%";
```

appid	name	release_date	english	developer	publisher	platforms	required_age	categories	genres	steamspy_laps	achievements	positive_ratings
209460	Call of Duty: Ghosts	2014-03-25	1	Infinity Ward	Activision	windows	16	Single-player (Multi-player (Steam Achievements...	Actio	Dog/FPS (Actio	46	14652
209460	Call of Duty: Ghosts - Advanced Warfare - M Edition	2014-11-03	1	Sledgehammer Games/Raven Software	Activision	windows	16	Single-player (Multi-player (Steam Achievements...	Actio	Dog/FPS (Actio	46	13389

gamecatalog 48 x

Output

#	Time	Action	Message
56	07:40:00	select * from gamecatalog where publisher = "Activision" and instr = (x, 2) and instr = (y, 4) LIMIT 0, 1000	Error Code: 1054. Unknown column 'instr' in 'where clause'
57	07:40:30	select * from gamecatalog where publisher = "Activision" and instr = (x, 2) and instr = (y, 4) LIMIT 0, 1000	Error Code: 1054. Unknown column 'instr' in 'where clause'
58	07:41:00	select * from gamecatalog where publisher = "Activision" LIMIT 0, 1000	44 row(s) returned
59	07:42:44	select * from gamecatalog where publisher = "Activision" and instr(name, 'a')>2 LIMIT 0, 1000	17 row(s) returned
60	07:43:12	select * from gamecatalog where publisher = "Activision" and instr(name, 'a')>2 and instr(name, 'e')>3 LIMIT 0, 1000	16 row(s) returned
61	07:46:12	select * from gamecatalog where publisher = "Activision" and instr(name, 'a')>2 and instr(name, 'e')>3 and release_date like "2014%" LIMIT 0, 1000	2 row(s) returned

Na máquina: Luik  
Time:

# Desafio 24

The screenshot shows the MySQL Workbench interface. The SQL Editor contains the following query:

```
1 select*
2 from gamecatalog
3 where substring(name,7,7) = 'Mission';
4
```

The Results Grid displays the following data:

appid	name	release_date	english	developer	publisher	platforms	required_age
9030	QUAKE Mission Pack 2: Dissolution of Eternity	2007-08-03	1	Rogue Entertainment	id Software	windows	0
9040	QUAKE Mission Pack 1: Scourge of Arms	2007-08-03	1	Ritual Entertainment	id Software	windows	0
43000	Front Mission Evolved	2010-10-07	1	Double Helix Games	Square Enix	windows	0
853260	Anta! Mission of the salvato	2018-05-25	1	SteelSeed	Starwind Games	windows	0
873040	Final Missions	2018-06-14	1	Agustin Esman Moreno	Agustin Esman Moreno	windows	0

The Output tab shows the following log entries:

#	Time	Action	Message	Duration / Fetch
123	09:51:57	select substring(name, 7,7) =mission from gamecatalog	Error Code: 1054. Unknown column 'mission' in 'field list'	0.000 sec
124	09:53:32	select substring(name, 7,7) from gamecatalog where substring(name,7,7)= Mission	Error Code: 1054. Unknown column 'Mission' in 'where clause'	0.000 sec
125	09:53:48	select*, substring(name, 7,7) from gamecatalog	27075 row(s) returned	0.000 sec / 0.172 sec
126	09:54:15	select*, substring(name, 7,7) from gamecatalog where substring=Mission	Error Code: 1054. Unknown column 'substring' in 'where clause'	0.000 sec
127	09:58:47	select* from gamecatalog where substring(name,7,7) = Mission	Error Code: 1054. Unknown column 'Mission' in 'where clause'	0.000 sec
128	09:59:28	select* from gamecatalog where substring(name,7,7) = 'Mission'	5 row(s) returned	0.047 sec / 0.000 sec

Na máquina: Matheus e Pedro  
Time:

# Desafio 25

Limit to 1000 rows
✖ ✂ 🔍 🔄 📄

```

16
17 • select count(platforms) as linux
18   from gamecatalog
19   where platforms = 'linux';
20
21 • select publisher, avg(price) as media
22   from gamecatalog
23   where publisher = 'Ubisoft'
24     or publisher = 'Valve'
25     or publisher = 'Electronic Arts'
26   group by publisher
27   order by media desc;
28
29 • select appid, name, release_date, average_playtime
30   from gamecatalog
31   where release_date like '%2019%'
32     and average_playtime != 0
33   group by average_playtime
34   order by average_playtime desc;
35
36
37

```

Result Grid
Filter Rows: 
Edit:

appid	name	release_date	average_playtime
738540	Tales of Vesperia: Definitive Editio	2019-01-10	9848
244930	SNOW	2019-02-14	8180
991780	æ2ęçüç~"ē&^~1v5(ŋotes of Soul);	2019-01-17	6332
955900	ä²²²ä,ëüçä.äçä=™äe äæ-ä8™™	2019-01-10	4164
244850	Space Engineers	2019-02-28	3739
646570	Slay the Spire	2019-01-23	3034
666140	My Time At Portia	2019-01-15	2094

gamecatalog 64 x

Output

Action Output
▼

#	Time	Action	Message
91	04:53:11	select publisher, avg(price) as media from gamecatalog where publisher = 'Ubisoft' or publisher = 'Valve' or publisher = 'Electronic Arts' group by publisher	Error Code: 1054. Unknown column 'avg' in 'order clause'
92	04:53:20	select publisher, avg(price) as media from gamecatalog where publisher = 'Ubisoft' or publisher = 'Valve' or publisher = 'Electronic Arts' group by publisher	3 row(s) returned
93	04:55:55	select * from gamecatalog LIMIT 0, 1000	1000 row(s) returned
94	05:01:17	select appid, name, release_date, average_playtime from gamecatalog where release_date like '%2019%' and average_playtime != 0 group by average_playtime order by average_playtime desc	Error Code: 1054. Unknown column 'release_date' in 'where clause'
95	05:01:32	select appid, name, release_date, average_playtime from gamecatalog where release_date like '%2019%' group by average_playtime order by average_playtime desc	Error Code: 1054. Unknown column 'release_date' in 'where clause'
96	05:02:44	select appid, name, release_date, average_playtime from gamecatalog where release_date like '%2019%' and average_playtime != 0 group by average_playtime order by average_playtime desc	86 row(s) returned

Na máquina: Luik Castro  
Time:

# Desafio 26

The screenshot shows the MySQL Workbench interface. The left sidebar contains the 'MANAGEMENT' section with options like Server Status, Client Connections, Users and Privileges, Status and System Variables, Data Export, and Data Import/Restore. Below this is the 'INSTANCE' section with Startup / Shutdown, Server Logs, and Options File. The 'PERFORMANCE' section includes a Dashboard. The 'Administration' and 'Schemas' tabs are visible at the bottom of the sidebar.

The main window displays a SQL query in the 'SQL File 1\*' editor:

```
1 • select*from gamecatalog;  
2  
3 • select count(*)  
4   from gamecatalog;  
5  
6
```

The 'Result Grid' shows the results of the query:

count(*)
27075

The 'Output' tab at the bottom shows a log of actions and messages:

#	Time	Action	Message	Duration / Fetch
14	02:46:33	select count(developer) from gamecaalog	Error Code: 1146. Table 'steamdb.gamecaalog' doesn't exist	0.000 sec
15	02:46:40	select count(developer) from gamecatalog	1 row(s) returned	0.016 sec / 0.000 sec
16	02:47:31	select count(*) from gamecatalog	1 row(s) returned	0.047 sec / 0.000 sec
17	02:49:19	select count(*) from gamecatalog	1 row(s) returned	0.016 sec / 0.000 sec
18	02:50:12	select count(developer) from gamecatalog	1 row(s) returned	0.016 sec / 0.000 sec
19	02:50:26	select count(*) from gamecatalog	1 row(s) returned	0.141 sec / 0.000 sec

Na máquina: Matheus  
Time:

# Desafio 27

```
9 • select count(*), publisher
10 from gamecatalog
11 group by publisher
12 order by count(*) desc
```

Result Grid | Filter Rows: | Export: | Wrap Cell Contents: | Fetch rows: |

	count(*)	publisher
▶	212	Big Fish Games
	136	Strategy First
	111	Ubisoft
	98	THQ Nordic
	97	Square Enix
	96	Sekai Project
	94	Choice of Games
	88	1C Entertainment

Result 52 x

Na máquina: João  
Time:

# Desafio 28

```
9 * select count(*), publisher, genres
10 from gamecatalog
11 where (publisher like 'Ubisoft' or publisher like 'Electronic Arts' or publisher like 'Valve')
12 group by publisher, genres
13 order by publisher
```

Result Grid | Filter Rows: | Export: | Wrap Cell Contents: [↗](#)

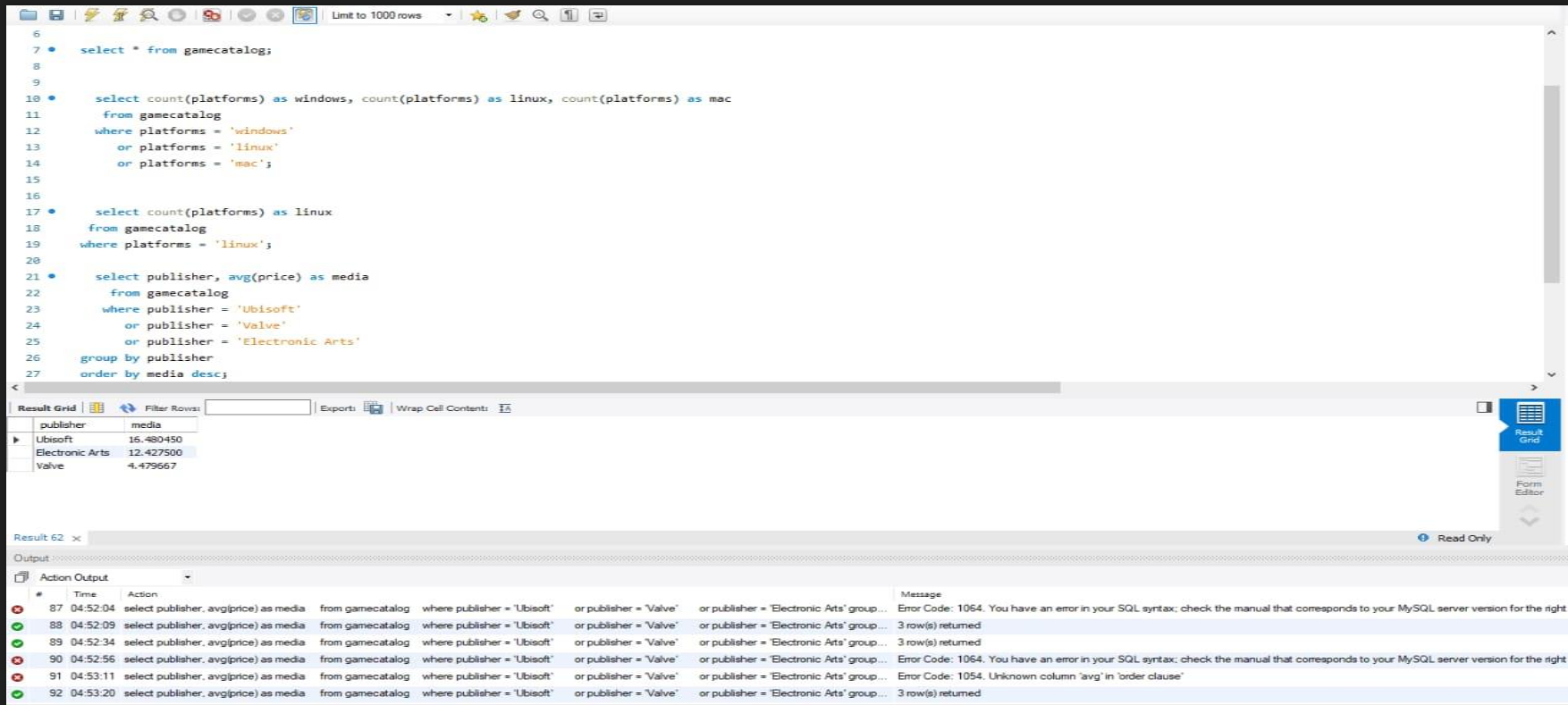
	count(*)	publisher	genres
▶	8	Electronic Arts	Action
	1	Electronic Arts	Action Adventure
	1	Electronic Arts	Action Adventure Indie
	1	Electronic Arts	Action Indie RPG
	1	Electronic Arts	Action Racing
	1	Electronic Arts	Action RPG
	1	Electronic Arts	Action RPG Indie
	1	Electronic Arts	Action Simulatio

Result 49 x

Na máquina: João  
Time:



# Desafio 29



```
6
7 • select * from gamecatalog;
8
9
10 • select count(platforms) as windows, count(platforms) as linux, count(platforms) as mac
11       from gamecatalog
12       where platforms = 'windows'
13             or platforms = 'linux'
14             or platforms = 'mac';
15
16
17 • select count(platforms) as linux
18       from gamecatalog
19       where platforms = 'linux';
20
21 • select publisher, avg(price) as media
22       from gamecatalog
23       where publisher = 'Ubisoft'
24             or publisher = 'Valve'
25             or publisher = 'Electronic Arts'
26       group by publisher
27       order by media desc;
```

Result Grid

	publisher	media
▶	Ubisoft	15.480450
▶	Electronic Arts	12.427500
▶	Valve	4.479667

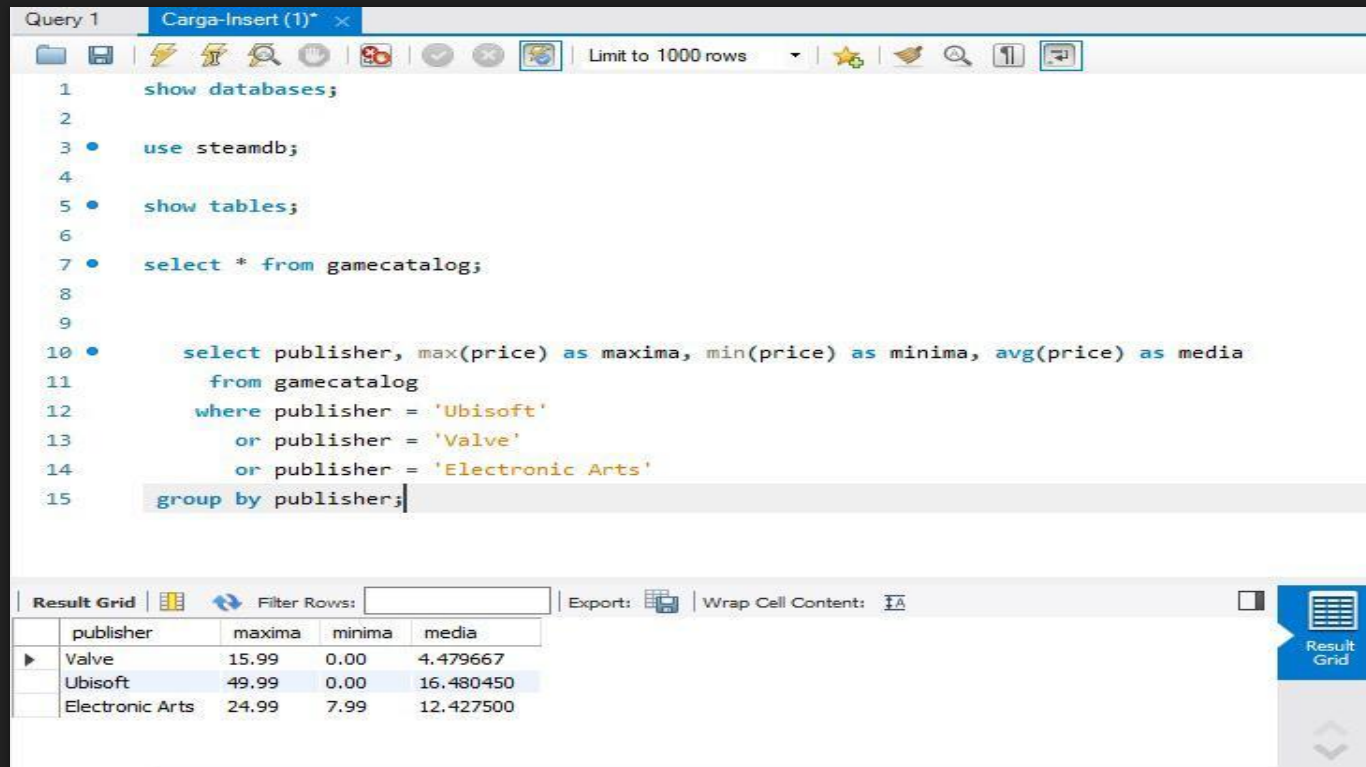
Result 62

Output

#	Time	Action	Message
87	04:52:04	select publisher, avg(price) as media from gamecatalog where publisher = 'Ubisoft' or publisher = 'Valve' or publisher = 'Electronic Arts' group...	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right s
88	04:52:09	select publisher, avg(price) as media from gamecatalog where publisher = 'Ubisoft' or publisher = 'Valve' or publisher = 'Electronic Arts' group...	3 row(s) returned
89	04:52:34	select publisher, avg(price) as media from gamecatalog where publisher = 'Ubisoft' or publisher = 'Valve' or publisher = 'Electronic Arts' group...	3 row(s) returned
90	04:52:56	select publisher, avg(price) as media from gamecatalog where publisher = 'Ubisoft' or publisher = 'Valve' or publisher = 'Electronic Arts' group...	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right s
91	04:53:11	select publisher, avg(price) as media from gamecatalog where publisher = 'Ubisoft' or publisher = 'Valve' or publisher = 'Electronic Arts' group...	Error Code: 1064. Unknown column 'avg' in 'order clause'
92	04:53:20	select publisher, avg(price) as media from gamecatalog where publisher = 'Ubisoft' or publisher = 'Valve' or publisher = 'Electronic Arts' group...	3 row(s) returned

Na máquina: Luik Castro  
Time:

# Desafio 30



The screenshot shows a SQL query editor with a query named 'Query 1' and a tab labeled 'Carga-Insert (1)\*'. The query is as follows:

```
1 show databases;
2
3 use steamdb;
4
5 show tables;
6
7 select * from gamecatalog;
8
9
10 select publisher, max(price) as maxima, min(price) as minima, avg(price) as media
11 from gamecatalog
12 where publisher = 'Ubisoft'
13 or publisher = 'Valve'
14 or publisher = 'Electronic Arts'
15 group by publisher;
```

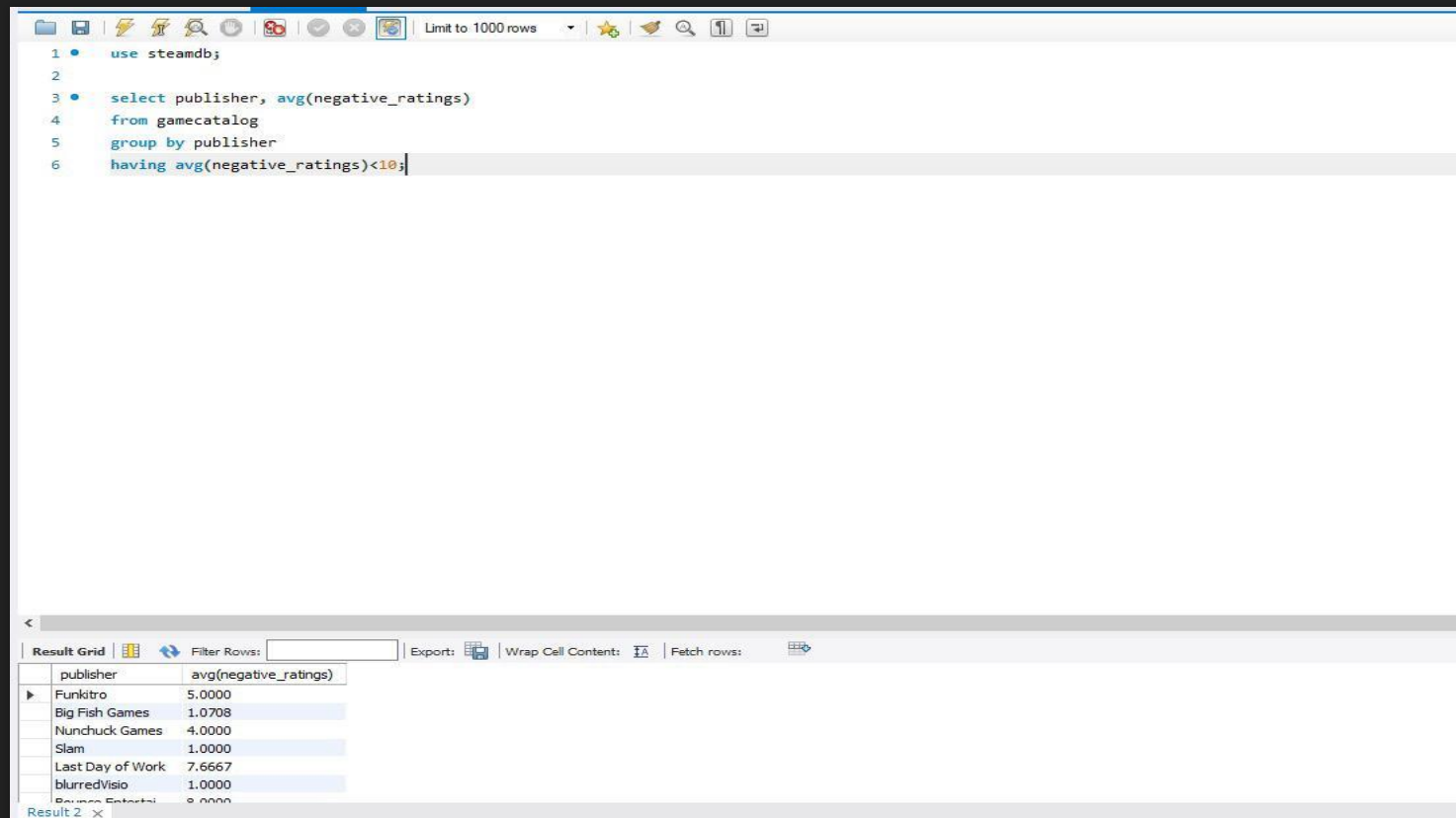
The results are displayed in a table with the following data:

	publisher	maxima	minima	media
▶	Valve	15.99	0.00	4.479667
	Ubisoft	49.99	0.00	16.480450
	Electronic Arts	24.99	7.99	12.427500

The interface includes a toolbar with various icons, a 'Limit to 1000 rows' dropdown, and a 'Result Grid' button on the right side.

Na máquina: Luik Castro  
Time: Rebeca e João

# Desafio 31



The screenshot shows a SQL query editor with the following code:

```
1 • use steamdb;
2
3 • select publisher, avg(negative_ratings)
4   from gamecatalog
5  group by publisher
6  having avg(negative_ratings)<10;
```

Below the editor is a results window titled "Result 2" showing a table with two columns: "publisher" and "avg(negative\_ratings)". The table contains the following data:

publisher	avg(negative_ratings)
Funkitro	5.0000
Big Fish Games	1.0708
Nunchuck Games	4.0000
Slam	1.0000
Last Day of Work	7.6667
blurredVisio	1.0000
Games Enterte	0.0000

Na máquina: Luik Castro, João  
Time: Rebecca

# Desafio 32

```
17 • select publisher, avg(negative_ratings), count(*)
18 from gamecatalog
19 where negative_ratings<5000
20 group by publisher
21 having count(*)>=100;
22
```

Result Grid |   Filter Rows:  | Export:  | Wrap Cell Content: 

	publisher	avg(negative_ratings)	count(*)
▶	Strategy First	82.7794	136
	Ubisoft	720.9500	100
	Big Fish Games	1.0708	212

Result 68 x

Output

Na máquina: Luik Castro, João  
Time:

# Desafio 33

```
5 • select publisher, sum(positive_ratings), max(positive_ratings)
6   from gamecatalog
7   group by publisher
8   having sum(positive_ratings)>900000
9   order by publisher;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

publisher	sum(positive_ratings)	max(positive_ratings)
Ubisoft	900522	251178
Valve	5270672	2644404

Result 2 x

Na máquina: Luik Castro e João  
Time:

# Desafio 34

The screenshot shows the MySQL Workbench interface. The SQL Editor contains the following query:

```
1 *
2 select *
3 from gamecatalog
4 where positive_ratings=2644404;
```

The Results window displays the following table:

appid	name	release_date	english	developer	publisher	platforms	required_age	categories
720	Counter-Strike: Global Offensive	2012-08-21	1	Valve Hidden Path Entertainment	Valve	windows mac linux	0	Multi-player

The Output window shows the following log:

#	Time	Action	Message	Duration / Fetch
135	10:11:42	select max(positive_ratings) from gamecatalog where positive_ratings = max(Valve)	Error Code: 1111. Invalid use of group function	0.000 sec
136	10:12:08	select max(positive_ratings) from gamecatalog	1 row(s) returned	0.016 sec / 0.000 sec
137	10:14:52	select * from gamecatalog where positive_rating=2644404	Error Code: 1054. Unknown column 'positive_rating' in 'where clause'	0.000 sec
138	10:15:02	select * from gamecatalog where positive_rating=2644404	Error Code: 1054. Unknown column 'positive_rating' in 'where clause'	0.000 sec
139	10:15:06	select * from gamecatalog	27075 row(s) returned	0.000 sec / 0.156 sec
140	10:15:14	select * from gamecatalog where positive_ratings=2644404	1 row(s) returned	0.047 sec / 0.000 sec

On the right side of the interface, a message states: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help."

Na máquina: Matheus e Pedro  
Time:

# Desafio 35

```
8 • select*
9   from gamecatalog
10  where steamspy_tags like '%First-Person%'
11  order by median_playtime desc;
12
```

appid	name	release_date	english	developer	publisher	platforms	required_age	categories	genres	steamspy_tags	achievements
205100	Dishonored	2012-10-11	1	Arkane Studios	Bethesda Softworks	windows	0	Single-player Steam Achievements Full controlle...	Action Adventure	Stealth First-Person Actio	80
499520	The Turing Test	2016-08-30	1	Bulkhead Interactive	Square Enix	windows	0	Single-player Steam Achievements Full controlle...	Adventure	Puzzle First-Person Space	15
200010	Quantum Conundrum	2012-06-21	1	Airright Games	Square Enix	windows	0	Single-player Steam Achievements Full controlle...	Casual Strategy	Puzzle First-Person Comedy	25
278360	A Story About My Uncle	2014-05-28	1	ne North Games	Coffee Stain Publishing	windows mac linux	0	Single-player Steam Achievements Full controlle...	Adventure Casual Indie	Adventure First-Person Parkour	15
568090	Tattletail	2016-12-28	1	Waygetter Electronics	Little Flag Software; LLC	windows mac	0	Single-player Steam Achievements Steam Tradi...	Action Indie	Horror First-Person Survival Horror	11
257510	The Talos Principle	2014-12-11	1	Croteam	Devolver Digital/Croteam	windows mac linux	0	Single-player Steam Achievements Full controlle...	Action Adventure Puzzle	Puzzle First-Person Sci-Fi	40

Na máquina: João e Luik Castro  
Time:



# Desafio 36

```
9 * select replace(replace(replace(replace(replace(name, 'u', 'v'), 'o', '0'), 'i', '1'), 'e', '&'), 'a', '@') as name
10   from gamecatalog
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

name
Cóvnt&r-Strik&
T&@m Fôtr&ss Cl@ss1c
D@y Of D&f&@t
D&@thm@tch Cl@ss1c
H@lf-L1f&: Opp0s1ng Fôrc&
R1c0ch&t
H@lf-L1f&
Cóvnt&r-Strik&: C0nd1t10n...

Result 54 x

Na máquina: João  
Time:

# Desafio 37

```
9 • select name
10   from gamecatalog
11  where name like '% %';
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

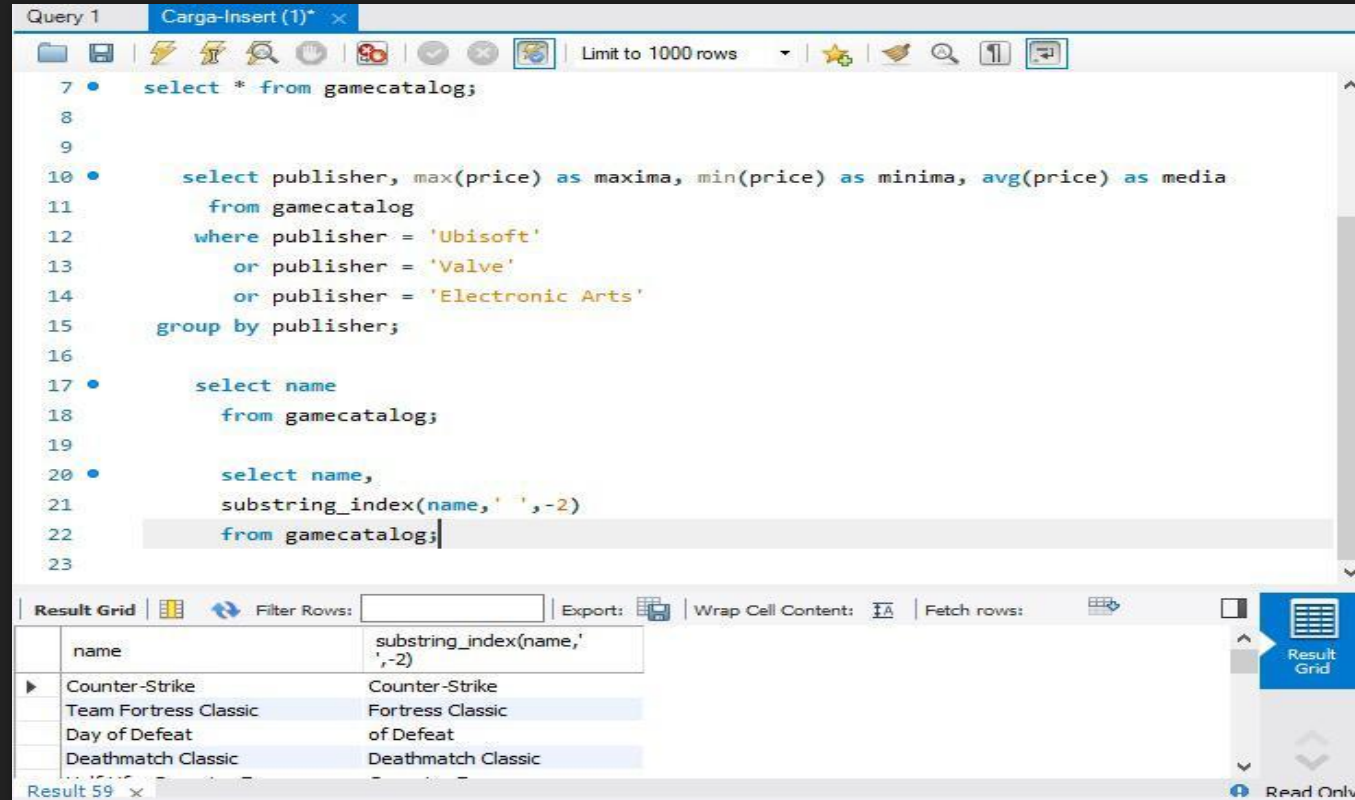
name
Team Fortress Classic
Day of Defeat
Deathmatch Classic
Half-Life: Opposing Force
Counter-Strike: Condition Zero
Half-Life: Blue Shift
Half-Life 2
Counter-Strike: Source

gamecatalog 11 x

Na máquina: Samuel, João e Luik Castro

Time:

# Desafio 38



The screenshot shows a database query editor with a toolbar at the top. The main area contains SQL code for a query named 'Query 1'. The code consists of three separate SELECT statements. The first statement selects all columns from 'gamecatalog'. The second statement selects publisher, maximum price, minimum price, and average price for publishers 'Ubisoft', 'Valve', and 'Electronic Arts'. The third statement selects the name and a substring of the name from 'gamecatalog'. Below the code, there is a 'Result Grid' section showing the results of the third query. The grid has two columns: 'name' and 'substring\_index(name, '-', -2)'. The results are: Counter-Strike, Team Fortress Classic, Day of Defeat, and Deathmatch Classic.

```
7 • select * from gamecatalog;
8
9
10 • select publisher, max(price) as maxima, min(price) as minima, avg(price) as media
11       from gamecatalog
12       where publisher = 'Ubisoft'
13             or publisher = 'Valve'
14             or publisher = 'Electronic Arts'
15       group by publisher;
16
17 • select name
18       from gamecatalog;
19
20 • select name,
21       substring_index(name, '-', -2)
22       from gamecatalog;
23
```

name	substring_index(name, '-', -2)
Counter-Strike	Counter-Strike
Team Fortress Classic	Fortress Classic
Day of Defeat	of Defeat
Deathmatch Classic	Deathmatch Classic

Na máquina: João, Samuel e Luik Castro  
Time:

# Desafio 39

```
9 • select name,
10     case when english=1 then 'Sim'
11     when english=0 then 'Não' end as 'english'
12 from gamecatalog;
```

Result Grid

name	english
Counter-Strike	Sim
Team Fortress Classic	Sim
Day of Defeat	Sim
Deathmatch Classic	Sim
Half-Life: Opposing Force	Sim
Ricochet	Sim
Half-Life	Sim
Counter-Strike: Condition Zero	Sim

Result 10 x

Na máquina: Samuel, João e Luik Castro

Time:

# Desafio 40

○ Anulada

Na máquina:  
Time:

# Participantes

- Luik, Rebecca, Renan, Ramon, João Victor, Matheus, Cauã, Samuel, Pedro, Ryan