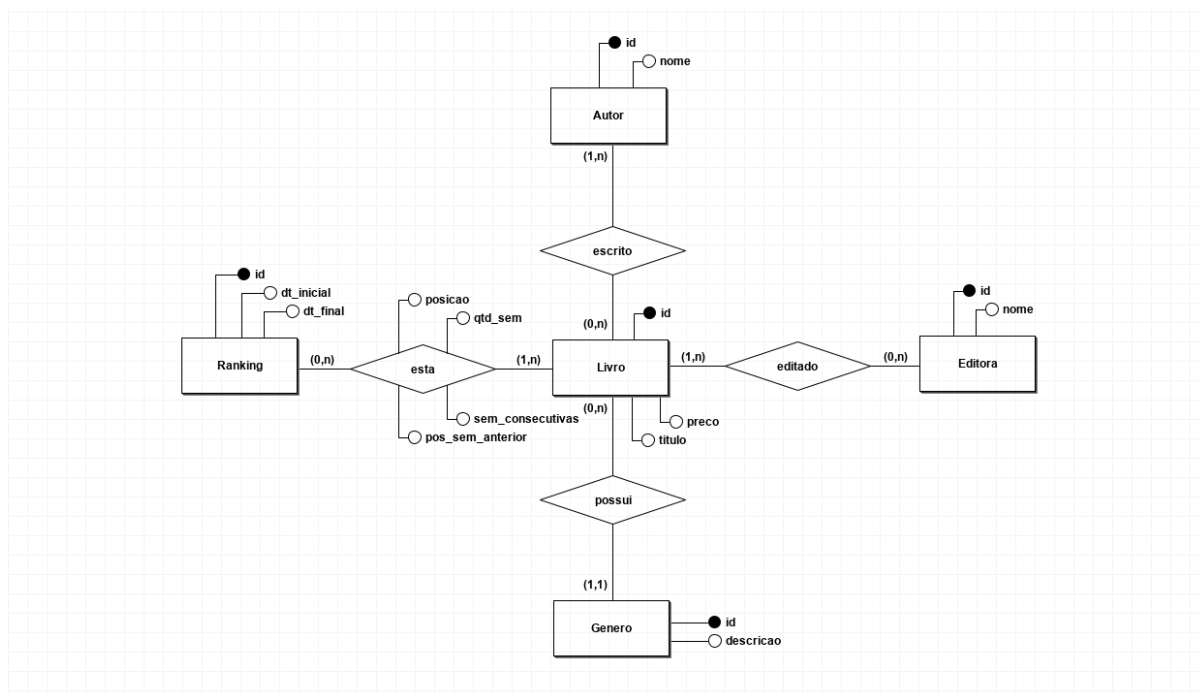


Projeto Final de Banco de Dados

Dupla: Ana Beatriz Vieira e Manuela Magnan

1ºDs-B

Modelo Conceitual (DER)



Modelo Lógico (MR)

Livro(IdL, Título, Preço, IdE, IdG)

Gênero (IdG, Descrição)

Autor (IdA, nome)

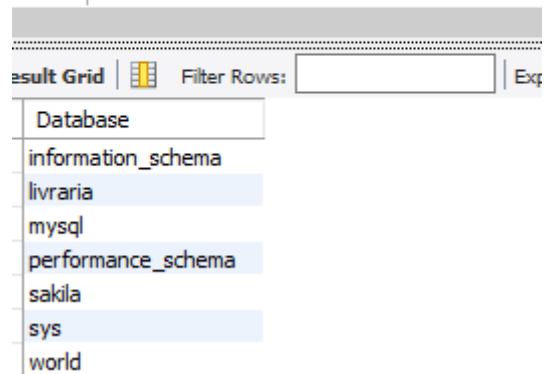
Ranking(idR, Data_Inicial, Data_Final)

Livro_Autor(IdL, idA)

Ranking Semanal (IdL, IdR, Posição, Quantd_sem, Sem_consec, Pos_sem_ante)

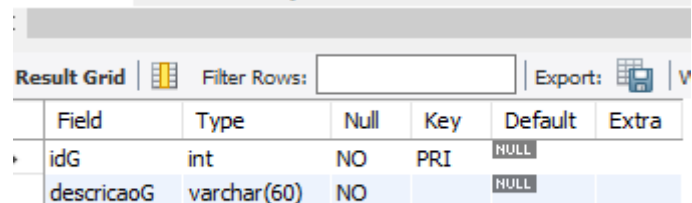
Comandos SQL

```
1 • create database Livraria;
2 • use Livraria;
3 • show databases;
4
5 • create table Genero (
```



Database
information_schema
livraria
mysql
performance_schema
sakila
sys
world

```
5 • create table Genero (
6   idG int primary key,
7   descricaoG varchar (60) not null);
8
9 • show tables;
10
11 • desc Genero;
```



Field	Type	Null	Key	Default	Extra
idG	int	NO	PRI	NULL	
descricaoG	varchar(60)	NO		NULL	

```

12
13 • insert into Genero values
14 (1,"Infantil"), (2,"Ficção"), (3, "Roamance"), (4, "Auto-Ajuda"), (5,"Negócios"), (6,"História");
15
16 • select * from Genero;

```

Result Grid		Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
idG	descricaoG				
1	Infantil				
2	Ficção				
3	Roamance				
4	Auto-Ajuda				
5	Negócios				
6	História				
* NULL	NULL				

```

18 • create table Editora (
19     idE int primary key not null,
20     nomeE varchar(30) not null);
21
22 • show tables;
23
24 • desc Editora;

```

Result Grid		Filter Rows:		Export:		W
Field	Type	Null	Key	Default	Extra	
idE	int	NO	PRI	NULL		
nomeE	varchar(30)	NO		NULL		

```

25
26 • insert into Editora values
27 ( 1,"Atica"), (2,"Makron Books"),(3,"Rocco"), (4,"Scipione"), (5,"Sagra Luzato");
28
29 • select * from Editora;

```

Result Grid		Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
idE	nomeE				
1	Atica				
2	Makron Books				
3	Rocco				
4	Scipione				
5	Sagra Luzato				
* NULL	NULL				

```

31 • create table Livro (
32     idL int primary key,
33     TituloL varchar(30) not null,
34     PrecoL double not null,
35     idE int not null,
36     idG int not null,
37     foreign key(idE) references Editora (idE),
38     foreign key (idG) references Genero (idG)
39 );
40
41 • show tables;
42
43 • desc Livro;

```

Result Grid | Filter Rows: | Export: | Wrap Ce

	Field	Type	Null	Key	Default	Extra
▶	idL	int	NO	PRI	NULL	
	TituloL	varchar(30)	NO		NULL	
	PrecoL	double	NO		NULL	
	idE	int	NO	MUL	NULL	
	idG	int	NO	MUL	NULL	

```

45 • insert into Livro values
46     (1,"A", "25.30", 1, 1), (2,"B", "32.45", 1,4), (3,"C", "122.00", 4,2), (4, "D", "100.99", 4, 3),
47     (5,"E", "16.16", 1,5), (6,"F", " 4.56", 3,1), (7,"G", "85.20", 2,5) , (8,"H", "89.90", 5,5), (9,"I", "63.36",2,2),
48     (10,"J", "41.40", 3,3), (11,"K", "200.30",4,6), (12,"L", "99.99",2,4) ;
49
50 • select * from Livro;
51

```

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

	idL	TituloL	PrecoL	idE	idG
▶	1	A	25.3	1	1
	2	B	32.45	1	4
	3	C	122	4	2
	4	D	100.99	4	3
	5	E	16.16	1	5
	6	F	4.56	3	1
	7	G	85.2	2	5
	8	H	89.9	5	5
	9	I	63.36	2	2
	10	J	41.4	3	3
	11	K	200.3	4	6
	12	L	99.99	2	4
•	NULL	NULL	NULL	NULL	NULL

```

53 • create table Autor (
54     idA int primary key,
55     nomeA varchar (40) not null);
56
57 • show tables;
58
59 • desc Autor;

```

Result Grid						
		Filter Rows:			Export:	Wrap Cell Co
Field	Type	Null	Key	Default	Extra	
idA	int	NO	PRI	NULL		
nomeA	varchar(40)	NO		NULL		

```

60
61 • insert into Autor values
62     ( 1,"Pedro"), (2,"Marcos"), (3,"Felipe"), (4,"Ana"), (5,"Maria"), (6,"Francisco"),
63     (7,"Ana Beatriz"), (8,"Manuela");
64
65 • select * from Autor;
66

```

Result Grid		
		Filter Rows:
		Edit:
		Export/Import:
		Wrap Cell Content: I A
	idA	nomeA
▶	1	Pedro
	2	Marcos
	3	Felipe
	4	Ana
	5	Maria
	6	Francisco
	7	Ana Beatriz
	8	Manuela
*	NULL	NULL

```

67 • create table Livro_Autor (
68     idL int not null,
69     idA int not null ,
70     primary key(idL,idA),
71     foreign key (idL) references Livro (idL),
72     foreign key (idA) references Autor (idA)
73 );
74
75 • show tables;
76
77 • desc Livro_autor;

```

Result Grid						
		Filter Rows:				
		Export:				
	Field	Type	Null	Key	Default	Extra
▶	idL	int	NO	PRI	NULL	
	idA	int	NO	PRI	NULL	

```

79 • insert into Livro_Autor values
80     (1,1),(1,8), (2,6), (3,5), (3,1),(3,4),(4,4),(5,1),(6,5),(6,3),(7,3),(8,2), (9,8),(10,8),(10,1),(11,2),(12,2)
81     ;
82
83 • select * from Livro_Autor;

```

Result Grid		
Filter Rows:		
Edit:		
Export/Import:		
Wrap Cell Content:		
	idL	idA
▶	1	1
	3	1
	5	1
	10	1
	8	2
	11	2
	12	2
	6	3
	7	3
	3	4
	4	4
	3	5
	6	5
	2	6
	1	8
	9	8
	10	8
*	NULL	NULL

```

85 • create table Ranking (
86     idR int primary key ,
87     data_inicial date,
88     data_final date );
89
90 • show tables;
91
92 • desc Ranking;

```

Result Grid | Filter Rows: | Export: | W

Field	Type	Null	Key	Default	Extra
idR	int	NO	PRI	NULL	
data_inicial	date	YES		NULL	
data_final	date	YES		NULL	

```

94 • insert into Ranking (idR, data_inicial, data_final)
95     values
96     (1, '17/08/2003', '23/08/2003'),
97     (2, '24/08/2003', '30/08/2003'),
98     (3, '31/08/2003', '06/09/2003'),
99     (4, '07/09/2003', '13/09/2003');
100
101 • select* from Ranking;

```

Result Grid | | Filter Rows: | Edit: | | | Export

	idR	data_inicial	data_final
▶	1	2003-08-17	2003-08-23
	2	2003-08-24	2003-08-30
	3	2003-08-31	2003-09-06
	4	2003-09-07	2003-09-13
*	NULL	NULL	NULL

```

103 • create table Ranking_Semanal (
104     idL int not null ,
105     idR int not null ,
106     posicao int,
107     primary key(idL,idR,posicao),
108     quantd_sem int,
109     sem_consecu int,
110     pos_sem_anter int,
111     foreign key (idL) references Livro (idL),
112     foreign key (idR) references Ranking (idR)
113 );
114
115 • show tables;
116
117 • desc Ranking_Semanal;
118

```

Result Grid						
		Filter Rows:				
		Export:				
		Wrap Cell				
	Field	Type	Null	Key	Default	Extra
►	idL	int	NO	PRI	NULL	
	idR	int	NO	PRI	NULL	
	posicao	int	NO	PRI	NULL	
	quantd_sem	int	YES		NULL	
	sem_consecu	int	YES		NULL	
	pos_sem_anter	int	YES		NULL	


```

119 • insert into Ranking_Semanal (idL,idR,posicao,quantd_sem, sem_consecu,pos_sem_antec)
120 values
121 (1,1,4,6,3,3),
122 (1,2,5,7,3,4),
123 (2,3,1,1,1,null),
124 (2,4,1,2,2,1),
125 (3,1,2,2,2,null),
126 (3,2,2,3,3,2),
127 (3,3,8,4,4,2),
128 (3,4,10,5,5,8),
129 (4,1,1,50,43,1),
130 (5,2,1,1,1,null),
131 (5,3,2,2,2,1),
132 (5,4,9,3,3,2),
133 (6,4,8,1,1,null),
134 (7,3,5,1,1,null),
135 (7,4,5,2,2,5),
136 (8,1,3,13,12,6),
137 (8,2,3,14,13,3),
138 (8,3,3,15,14,3),
139 (8,4,4,16,15,3),
140 (9,2,7,1,1,null),
141 (9,3,7,2,2,7),
142 (10,1,8,4,4,10),
143 (10,2,9,5,5,8),
144 (11,3,9,1,1,null),
145 (12,1,6,3,2,6);
146
147 • select* from Ranking_Semanal;

```

	idL	idR	posicao	quantd_sem	sem_consecu	pos_sem_antec
▶	1	1	4	6	3	3
	1	2	5	7	3	4
	2	3	1	1	1	NULL
	2	4	1	2	2	1
	3	1	2	2	2	NULL
	3	2	2	3	3	2
	3	3	8	4	4	2
	3	4	10	5	5	8
	4	1	1	50	43	1
	5	2	1	1	1	NULL
	5	3	2	2	2	1
	5	4	9	3	3	2
	6	4	8	1	1	NULL
	7	3	5	1	1	NULL
	7	4	5	2	2	5
	8	1	3	13	12	6
	8	2	3	14	13	3
	8	3	3	15	14	3
	8	4	4	16	15	3
	9	2	7	1	1	NULL
	9	3	7	2	2	7
	10	1	8	4	4	10
	10	2	9	5	5	8
	11	3	9	1	1	NULL
	12	1	6	3	2	6
*	NULL	NULL	NULL	NULL	NULL	NULL

