

```

1  --
2  -- Database: `lali_db`
3  --
4  --
5  -----
6  -- Criamos a tabela "motorista"
7  -- Estrutura da tabela "motorista"
8  --
9
10 CREATE TABLE motorista(
11     idMotorista INTEGER UNSIGNED NOT NULL AUTO_INCREMENT,
12     Nome VARCHAR(45) NOT NULL,
13     Telefone VARCHAR(15) NOT NULL,
14     Email VARCHAR(45) NOT NULL,
15     Endereco_Cidade VARCHAR(45) NOT NULL,
16     PRIMARY KEY (idMotorista)
17 );
18
19 -----
20 -- Criamos a tabela "passageiro"
21 -- Estrutura da tabela "passageiro"
22 --
23
24 CREATE TABLE passageiro(
25     idPassageiro INTEGER UNSIGNED NOT NULL AUTO_INCREMENT,
26     Nome VARCHAR(45) NOT NULL,
27     Telefone VARCHAR(15) NOT NULL,
28     Email VARCHAR(45) NOT NULL,
29     Endereco_Cidade VARCHAR(45) NOT NULL,
30     PRIMARY KEY (idPassageiro)
31 );
32
33 -----
34 -- Criamos a tabela "carona"
35 -- Estrutura da tabela "carona"
36 --
37
38 CREATE TABLE carona(
39     idCarona INTEGER UNSIGNED NOT NULL AUTO_INCREMENT,
40     Data DATE NOT NULL,
41     Partida VARCHAR(45) NOT NULL,
42     Chegada VARCHAR(45) NOT NULL,
43     Horario TIME(4) NOT NULL,
44     Valor FLOAT UNSIGNED NOT NULL,
45     Veiculo VARCHAR(20) NOT NULL,
46     Numero_Vagas INTEGER UNSIGNED NOT NULL,
47     Repetir VARCHAR(30),
48     idMotorista INTEGER UNSIGNED NOT NULL,
49
50     PRIMARY KEY (idCarona),
51
52     CONSTRAINT idMotorista FOREIGN KEY idMotorista (idMotorista)
53     REFERENCES motorista(idMotorista)
54     ON DELETE RESTRICT ON UPDATE RESTRICT
55 );
56
57 -----
58 -- Criamos a tabela "locais_de_parada"
59 -- Estrutura da tabela "locais_de_parada"
60 --
61
62 CREATE TABLE locais_de_parada(
63     idParada INTEGER UNSIGNED NOT NULL AUTO_INCREMENT,
64     Descricao VARCHAR(45) NOT NULL,
65     idCarona INTEGER UNSIGNED NOT NULL,
66
67     PRIMARY KEY (idParada),
68
69     CONSTRAINT idCarona FOREIGN KEY idCarona (idCarona)
70     REFERENCES carona(idCarona)
71     ON DELETE RESTRICT ON UPDATE RESTRICT
72 );
73
74 -----
75 -- Criamos a tabela "solicitar_carona"
76 -- Estrutura da tabela "solicitar_carona"
77 --
78
79 CREATE TABLE solicitar_carona(
80     idPassageiro INTEGER UNSIGNED NOT NULL,
81     idCarona INTEGER UNSIGNED NOT NULL,

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82     Local_Escolhido VARCHAR(45) NOT NULL,
83     Status BINARY,
84
85     CONSTRAINT idPassageiro_ FOREIGN KEY (idPassageiro)
86     REFERENCES passageiro(idPassageiro),
87
88     CONSTRAINT idCarona_ FOREIGN KEY (idCarona)
89     REFERENCES carona(idCarona)
90 );
91
92 -----
93 -- Criamos a tabela "avaliacao"
94 -- Estrutura da tabela "avaliacao"
95 --
96
97 CREATE TABLE avaliacao(
98     idAvaliacao INTEGER UNSIGNED NOT NULL AUTO_INCREMENT,
99     Nota FLOAT NOT NULL,
100     Numero_Notas FLOAT NOT NULL,
101     Nota_Passageiro FLOAT NOT NULL,
102     idPassageiro INTEGER UNSIGNED NOT NULL,
103     IdMotorista INTEGER UNSIGNED NOT NULL,
104
105     PRIMARY KEY (idAvaliacao),
106
107     CONSTRAINT idPassageiro_ FOREIGN KEY (idPassageiro)
108     REFERENCES passageiro(idPassageiro),
109
110     CONSTRAINT idMotorista_ FOREIGN KEY (idMotorista)
111     REFERENCES motorista(idMotorista)
112 );
113
114
115 -----
116 -- Populando o banco
117 --
118 --
119 -- Motorista
120 INSERT INTO motorista (`idMotorista`, `Nome`, `Telefone`, `Email`, `Endereco_Cidade`) VALUES
121 (1, 'Lincoln Schreiber', '51983568456', 'lin-sch@gmail.com', 'Canoas'),
122 (2, 'Yuri Justen', '51983466222 ', 'yur-jus@gmail.com', 'Canoas'),
123 (3, 'Giovani Severino', '51983714200 ', 'gio-sev@gmail.com', 'Porto Alegre'),
124 (4, 'Gabriel Luís Nunes', '51985538998 ', 'gab-lui@gmail.com', 'Porto Alegre'),
125 (5, 'Pedro Henrique', '51992026015 ', 'ped-hen@gmail.com', 'Guaiba'),
126 (6, 'Samuel Erick', '51993369990 ', 'sam-eri@gmail.com', 'Guaiba'),
127 (7, 'Marina Patrícia', '51983744411 ', 'mar-pat@gmail.com', 'Porto Alegre'),
128 (8, 'Allana Marcela', '51988279715 ', 'all-mar@gmail.com', 'Guaiba'),
129 (9, 'Kauê Vinicius Costa', '51987960803 ', 'kau-vin@gmail.com', 'Porto Alegre'),
130 (10, 'Valentina Ana', '51991472532 ', 'val-ana@gmail.com', 'Porto Alegre');
131
132 -- Passageiro
133 INSERT INTO passageiro (`idPassageiro`, `Nome`, `Telefone`, `Email`, `Endereco_Cidade`) VALUES
134 (1, 'Lincoln Schreiber', '51983568456', 'lin-sch@gmail.com', 'Canoas'),
135 (2, 'Larissa Justen', '51983624622 ', 'lar-jus@gmail.com', 'Porto Alegre'),
136 (3, 'Martin Severino', '51983174200 ', 'mar-sev@gmail.com', 'Porto Alegre'),
137 (4, 'Thales Luís Nunes', '51983558998 ', 'tha-lui@gmail.com', 'Porto Alegre'),
138 (5, 'Pedro Henrique', '51992026015 ', 'ped-hen@gmail.com', 'Guaiba'),
139 (6, 'Guilherme Sales', '51993399690 ', 'gui-sal@gmail.com', 'Guaiba'),
140 (7, 'Alexandre Ryan', '51981770490 ', 'ale-rya@gmail.com', 'Guaiba'),
141 (8, 'Leandro Nathan', '51988729715 ', 'lea-nat@gmail.com', 'Guaiba'),
142 (9, 'Aurora Luana', '51987608624 ', 'aur-lua@gmail.com', 'Porto Alegre'),
143 (10, 'Valentina Ana', '51991472532 ', 'val-ana@gmail.com', 'Porto Alegre'),
144 (11, 'Sophia Fernandes', '51983341320 ', 'sop-fer@gmail.com', 'Porto Alegre'),
145 (12, 'Isabelly Sara', '51991397233 ', 'isa-sar@gmail.com', 'Guaiba'),
146 (13, 'Tatiane Emanuelly', '51993790484 ', 'tat-ema@gmail.com', 'Porto Alegre'),
147 (14, 'Joana Bárbara Vieira', '51989341187 ', 'joa-bar@gmail.com', 'Porto Alegre'),
148 (15, 'Letícia Cláudia', '51982423107 ', 'let-cla@gmail.com', 'Porto Alegre'),
149 (16, 'Flávia Ester Pietra', '51981130268 ', 'fla-est@gmail.com', 'Porto Alegre'),
150 (17, 'Rita Sebastiana', '51999469124 ', 'rit-seb@gmail.com', 'Porto Alegre'),
151 (18, 'Heloise Mirella', '51992774466 ', 'hel-mir@gmail.com', 'Guaiba'),
152 (19, 'Lavinia Vera', '51994135148 ', 'lav-ver@gmail.com', 'Eldorado do Sul'),
153 (20, 'Bianca Nair Mariana', '51989663663 ', 'bia-nai@gmail.com', 'Porto Alegre'),
154 (21, 'Larissa Elza da Mota', '51984269970 ', 'lar-elz@gmail.com', 'Porto Alegre'),
155 (22, 'Marina Patrícia', '51983744411 ', 'mar-pat@gmail.com', 'Porto Alegre'),
156 (23, 'Regina Amanda Vieira', '51988845188 ', 'reg-ama@gmail.com', 'Eldorado do Sul'),
157 (24, 'Sebastiana Jennifer', '51984420334 ', 'seb-jen@gmail.com', 'Porto Alegre'),
158 (25, 'Beatriz Débora', '51985957210 ', 'bea-deb@gmail.com', 'Guaiba'),
159 (26, 'Marcela Lúcia', '51984983375 ', 'mar-luc@gmail.com', 'Porto Alegre'),
160 (27, 'Mirella Tereza', '51983873111 ', 'mir-ter@gmail.com', 'Guaiba'),
161 (28, 'Larissa Luiza Castro', '51994640465 ', 'lar-lui@gmail.com', 'Porto Alegre'),
162 (29, 'Márcia Larissa Silva', '51995966085 ', 'mar-lar@gmail.com', 'Eldorado do Sul'),
163 (30, 'Kauê Vinicius Costa', '51987960803 ', 'kau-vin@gmail.com', 'Porto Alegre'),
164 (31, 'Joaquim Francisco', '51989338498 ', 'joa-fra@gmail.com', 'Porto Alegre');
165

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166
167 -- Carona
168 INSERT INTO carona (`idCarona`, `Data`, `Partida`, `Chegada`, `Horario`, `Valor`, `Veiculo`, `Numero_Vagas`, `Repet
169 (1, '2018-11-05', 'Canoas', 'Guaiba-UEGRS', '07:30:00',5,'HB20',3,'',1),
170 (2, '2018-11-05', 'Guaiba-UEGRS', 'Canoas', '12:30:00',5,'HB20',3,'',1),
171 (3, '2018-11-05', 'Canoas', 'Guaiba-UEGRS', '07:30:00',5,'ONIX',3,'',2),
172 (4, '2018-11-05', 'Guaiba-UEGRS', 'Canoas', '17:00:00',5,'ONIX',3,'',2),
173 (5, '2018-11-05', 'Porto Alegre', 'Guaiba-UEGRS', '08:00:00',5,'FOX',3,'',3),
174 (6, '2018-11-05', 'Guaiba-UEGRS', 'Porto Alegre', '12:30:00',5,'FOX',3,'',3),
175 (7, '2018-11-05', 'Porto Alegre', 'Guaiba-UEGRS', '07:00:00',4.5,'UNO',3,'',4),
176 (8, '2018-11-05', 'Guaiba-UEGRS', 'Porto Alegre', '12:00:00',5,'UNO',3,'',4),
177 (9, '2018-11-05', 'Guaiba', 'Guaiba-UEGRS', '07:30:00',6,'ELANTRA',3,'',5),
178 (10, '2018-11-05', 'Guaiba-UEGRS', 'Guaiba', '12:30:00',6,'ELANTRA',3,'',5),
179 (11, '2018-11-05', 'Guaiba', 'Guaiba-UEGRS', '12:30:00',5,'CIVIC',3,'',6),
180 (12, '2018-11-05', 'Guaiba-UEGRS', 'Guaiba', '17:00:00',5,'CIVIC',3,'',6),
181 (13, '2018-11-05', 'Porto Alegre', 'Guaiba-UEGRS', '07:30:00',5,'MEGANIUM',3,'',7),
182 (14, '2018-11-05', 'Guaiba-UEGRS', 'Porto Alegre', '12:30:00',5,'MEGANIUM',3,'',7),
183 (15, '2018-11-05', 'Guaiba', 'Guaiba-UEGRS', '07:30:00',5,'BRASILIA',3,'',8),
184 (16, '2018-11-05', 'Guaiba-UEGRS', 'Guaiba', '12:30:00',5,'BRASILIA',3,'',8);
185
186 -- locais_de_parada
187 INSERT INTO locais_de_parada (`idParada`, `Descricao`, `idCarona`) VALUES
188 (1, 'Casa Lincoln', 1),
189 (2, 'Posto meio do caminho', 1),
190 (3, 'UEGRS Guaiba', 1),
191 (4, 'UEGRS Guaiba', 2),
192 (5, 'Posto meio do caminho', 2),
193 (6, 'Casa Lincoln', 2),
194 (7, 'Casa Yuri', 3),
195 (8, 'Posto 2 Meio do caminho', 3),
196 (9, 'UEGRS Guaiba', 3),
197 (10, 'Casa Yuri', 4),
198 (11, 'UEGRS Guaiba', 4),
199 (12, 'Centro Porto Alegre', 5),
200 (13, 'Yamaha - Dona Rafaela ', 5),
201 (14, 'UEGRS Guaiba', 5),
202 (15, 'UEGRS Guaiba', 6),
203 (16, 'Yamaha - Dona Rafaela', 6),
204 (17, 'Centro Porto Alegre', 6),
205 (18, 'Centro Porto Alegre', 7),
206 (19, 'Posto 2 Meio do caminho', 7),
207 (20, 'Yamaha - Dona Rafaela', 7),
208 (21, 'UEGRS Guaiba', 7),
209 (22, 'UEGRS Guaiba', 8),
210 (23, 'Yamaha - Dona Rafaela', 8),
211 (24, 'Posto 2 Meio do caminho', 8),
212 (25, 'Centro Porto Alegre', 8),
213 (26, 'Guaiba Centro', 9),
214 (27, 'Ulbra Guaiba', 9),
215 (28, 'UEGRS Guaiba', 9),
216 (29, 'UEGRS Guaiba', 10),
217 (30, 'Ulbra Guaiba', 10),
218 (31, 'Guaiba Centro', 10),
219 (32, 'Guaiba Centro', 11),
220 (33, 'Ulbra Guaiba', 11),
221 (34, 'UEGRS Guaiba', 11),
222 (35, 'UEGRS Guaiba', 12),
223 (36, 'Ulbra Guaiba', 12),
224 (37, 'Subway Centro Guaiba', 12),
225 (38, 'Guaiba Centro', 12),
226 (39, 'Centro Porto Alegre', 13),
227 (40, 'Rodoviaria Poa', 13),
228 (41, 'UEGRS Guaiba', 13),
229 (42, 'UEGRS Guaiba', 14),
230 (43, 'Rodoviaria Poa', 14),
231 (44, 'Centro Porto Alegre', 14),
232 (45, 'Guaiba Centro', 15),
233 (46, 'Ulbra Guaiba', 15),
234 (47, 'UEGRS Guaiba', 15),
235 (48, 'UEGRS Guaiba', 16),
236 (49, 'Ulbra Guaiba', 16),
237 (50, 'Guaiba Centro', 16);
238
239 -- solicitar_carona
240 INSERT INTO solicitar_carona (`idPassageiro`, `idCarona`, `Local_Escolhido`, `Status`) VALUES
241 (2, 1, 1, 1),
242 (2, 2, 6, 1),
243 (3, 15, 46, 0),
244 (3, 16, 49, 0),
245 (4, 9, 27, 1),
246 (4, 10, 30, 1),
247 (6, 9, 27, 1),
248 (6, 10, 30, 1),
249 (7, 11, 33, 1),

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250 (7, 12, 35, 1),
251 (8, 5, 13, NULL),
252 (8, 6, 16, NULL),
253 (9, 9, 27, 0),
254 (9, 10, 30, NULL),
255 (11, 3, 8, NULL),
256 (11, 4, 10, 0),
257 (12, 3, 8, NULL),
258 (12, 4, 10, NULL),
259 (13, 1, 2, NULL),
260 (13, 2, 5, 0),
261 (14, 11, 33, NULL),
262 (14, 12, 55, 0),
263 (15, 5, 13, NULL),
264 (15, 6, 16, NULL),
265 (16, 9, 27, NULL),
266 (16, 10, 30, 0),
267 (17, 1, 1, NULL),
268 (17, 2, 6, NULL),
269 (18, 5, 12, NULL),
270 (18, 6, 17, 0),
271 (19, 7, 18, NULL),
272 (19, 8, 24, NULL),
273 (20, 9, 27, 0),
274 (20, 10, 31, NULL),
275 (21, 15, 45, NULL),
276 (21, 16, 50, 0),
277 (23, 13, 39, NULL),
278 (23, 14, 44, 0),
279 (24, 13, 39, NULL),
280 (24, 14, 44, NULL),
281 (25, 11, 33, 1),
282 (25, 12, 55, 1),
283 (26, 3, 8, NULL),
284 (26, 4, 10, NULL),
285 (27, 1, 2, 1),
286 (27, 2, 5, 0),
287 (27, 14, 44, 1),
288 (28, 3, 8, 1),
289 (28, 4, 10, 1),
290 (29, 5, 13, NULL),
291 (29, 6, 16, NULL),
292 (31, 7, 18, 1),
293 (31, 8, 24, NULL);
294
295 -- avaliacao
296 INSERT INTO avaliacao (`idAvaliacao`, `Nota`, `Numero_Notas`, `Nota_Passageiro`, `idPassageiro`, `IdMotorista`) VAL
297 (1, 5, 1, 5, 2, 1),
298 (2, 4.5, 2, 4, 3, 1),
299 (3, 4.667, 3, 5, 4, 1),
300 (4, 4.75, 4, 5, 5, 1),
301 (5, 4.6, 5, 4, 6, 1),
302 (6, 4, 1, 4, 7, 2),
303 (7, 4.5, 2, 5, 8, 2),
304 (8, 4.667, 3, 5, 9, 2),
305 (9, 4.75, 4, 5, 10, 2),
306 (10, 4.6, 5, 4, 11, 2),
307 (11, 4, 1, 4, 12, 3),
308 (12, 3.5, 2, 3, 13, 3),
309 (13, 3.333, 3, 3, 14, 3),
310 (14, 3.75, 4, 5, 15, 3),
311 (15, 4, 5, 5, 16, 3),
312 (16, 4, 1, 4, 17, 4),
313 (17, 4, 2, 4, 18, 4),
314 (18, 4, 3, 4, 19, 4),
315 (19, 4, 4, 4, 20, 4),
316 (20, 4, 5, 4, 21, 4),
317 (21, 4, 1, 4, 22, 5),
318 (22, 4.5, 2, 5, 23, 5),
319 (23, 4.667, 3, 5, 24, 5),
320 (24, 4.5, 4, 4, 25, 5),
321 (25, 4.2, 5, 3, 26, 5),
322 (26, 3, 1, 3, 27, 6),
323 (27, 3, 2, 3, 28, 6),
324 (28, 2.667, 3, 2, 29, 6),
325 (29, 2.5, 4, 2, 30, 6),
326 (30, 2.4, 5, 2, 31, 6),
327 (31, 1, 1, 1, 1, 7),
328 (32, 1, 2, 1, 2, 7),
329 (33, 1.333, 3, 2, 3, 7),
330 (34, 1.75, 4, 3, 4, 7),
331 (35, 2, 1, 2, 5, 8),
332 (36, 2.5, 2, 3, 6, 8),
333 (37, 2.333, 3, 2, 7, 8),

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334 (38, 2.5, 4, 3, 8, 8),
335 (39, 2.6, 5, 3, 9, 8),
336 (40, 5, 1, 5, 10, 9),
337 (41, 4, 2, 3, 11, 9),
338 (42, 3.667, 3, 3, 12, 9),
339 (43, 3, 1, 3, 13, 10),
340 (44, 2.5, 2, 2, 14, 10),
341 (45, 2.333, 3, 2, 15, 10),
342 (46, 2.75, 4, 4, 16, 10);
343
344
345 -- -----
346 -- Liste Todos os conteúdos de pelo menos duas tabelas
347 --
348
349 -- 1-1
350 SELECT * FROM motorista;
351 -- 1-2
352 SELECT * FROM passageiro;
353 -- 1-3
354 SELECT * FROM carona;
355
356 -- -----
357 -- Liste uma tabela em ordem alfabética
358 --
359 -- 2
360 SELECT * FROM motorista ORDER BY `Nome` ASC;
361
362 -- -----
363 -- Liste uma tabela ordenada por um campo date(se houver) mas fizemos com Hora também
364 --
365 -- 3
366 SELECT * FROM carona ORDER BY carona.Data ASC, carona.Horario ASC;
367
368 -- -----
369 -- Liste a quantidade de registros em uma tabela
370 --
371 -- 4-1
372 select count(*) AS 'numero de motoristas' from motorista;
373 -- 4-2
374 select count(*) AS 'numero de passageiros' from passageiro;
375 -- 4-3
376 select count(*) AS 'numero de avaliações' from avaliacao;
377
378 -- -----
379 -- Crie consultas que utilizem as seguintes funções: (fazer consultas separadamente)
380 -- Order by asc -- 5-1
381 SELECT * FROM passageiro ORDER BY `Nome` ASC;
382 -- Order by desc -- 5-2
383 SELECT * FROM motorista ORDER BY `Nome` DESC;
384 -- Min -- 5-3
385 SELECT MIN(avaliacao.Nota_Passageiro) FROM avaliacao;
386 -- Max -- 5-4
387 SELECT MAX(avaliacao.Nota), idAvaliacao FROM avaliacao WHERE avaliacao.idAvaliacao IN (SELECT max(idAvaliacao)
388 -- Somatório -- 5-5
389 SELECT SUM(avaliacao.Nota) FROM avaliacao;
390 -- AVG -- 5-6
391 SELECT avg(Nota), IdMotorista FROM avaliacao GROUP BY avaliacao.IdMotorista;

```