```
Desafio 5
 library(RSQLite)
Warning: pacote 'RSQLite' foi compilado no R versão 4.4.3
 db = dbConnect(SQLite(), 'disco.db')
 db
<SQLiteConnection>
  Path: C:\Users\rseit\OneDrive\Área de Trabalho\Labs ME315\Desafio5\disco.db
  Extensions: TRUE
 dbListTables(db)
                       "artists"
 [1] "albums"
                                         "customers"
                                                           "employees"
 [5] "genres"
                       "invoice_items"
                                         "invoices"
                                                           "media_types"
 [9] "playlist_track" "playlists"
                                         "sqlite_sequence" "sqlite_stat1"
[13] "tracks"
 dbListFields(db, 'albums')
[1] "AlbumId" "Title"
                          "ArtistId"
 album_db = dbGetQuery(db,'SELECT * FROM albums')
 head(album_db)
                                         Title ArtistId
  AlbumId
        1 For Those About To Rock We Salute You
                              Balls to the Wall
                              Restless and Wild
                             Let There Be Rock
                                       Big Ones
                             Jagged Little Pill
 dim(album_db)
[1] 347 3
 sql = 'SELECT trackid, name, composer, unitprice FROM tracks ORDER BY name'
 res = dbGetQuery(db, sql)
 head(res)
  TrackId
                                                                Name
                                                                "40"
     3027
                                                                 "?"
     2918
     3412 "Eine Kleine Nachtmusik" Serenade In G, K. 525: I. Allegro
     109
                                                             #1 Zero
                                                           #9 Dream
     3254
      602
                                                     'Round Midnight
                            Composer UnitPrice
                                          0.99
                                  U2
                                         1.99
                                <NA>
             Wolfgang Amadeus Mozart
                                          0.99
4 Cornell, Commerford, Morello, Wilk
                                          0.99
                                <NA>
                                          0.99
                         Miles Davis
                                          0.99
 sql = 'SELECT city FROM customers ORDER BY city'
 ex3a = dbGetQuery(db, sql)
 head(ex3a)
       City
1 Amsterdam
2 Bangalore
     Berlin
     Berlin
   Bordeaux
     Boston
 dim(ex3a)
[1] 59 1
 sql = 'SELECT DISTINCT city FROM customers ORDER BY city'
 ex3b = dbGetQuery(db, sql)
 head(ex3b)
       City
1 Amsterdam
2 Bangalore
     Berlin
4 Bordeaux
     Boston
6 Brasília
 dim(ex3b)
[1] 53 1
 sql = 'SELECT name, albumid FROM tracks WHERE albumid=1'
 album = dbGetQuery(db, sql)
 head(album)
                                     Name AlbumId
1 For Those About To Rock (We Salute You)
                    Put The Finger On You
                          Let's Get It Up
                         Inject The Venom
                               Snowballed
                               Evil Walks
 sql = 'SELECT name, albumid, mediatypeid FROM tracks WHERE mediatypeid = 1 OR mediatypeid = 2 ORI
 ccomplex = dbGetQuery(db, sql)
 head(ccomplex)
                                                        Name AlbumId
                                                        "40"
                                                                 239
2 "Eine Kleine Nachtmusik" Serenade In G, K. 525: I. Allegro
                                                                 281
                                                     #1 Zero
                                                                 11
                                                   #9 Dream
                                                                 255
                                             'Round Midnight
                                                                 48
  MediaTypeId
 sql = 'SELECT trackid, name, albumid FROM tracks WHERE albumid IN (SELECT albumid FROM albums WH
 artista = dbGetQuery(db, sql)
 head(artista)
  TrackId
                              Name AlbumId
```

149 Black Sabbath 16 The Wizard 150 16 151 Behind The Wall Of Sleep N.I.B. 152 16 **153** Evil Woman 16 Sleeping Village 16 154 sql = "SELECT trackid, name FROM tracks WHERE name GLOB '?ere*'"

dbGetQuery(db, sql)[1:5,]

TrackId Name
1 324 Pererê

Serenity

1452 Were Do We Go From Here

4 1740 Sereia
5 2198 Jeremy

sql = "SELECT trackid, name FROM tracks WHERE name GLOB '*[0-9]*'"

dbGetQuery(db, sql)[1:5,]

TrackId Name

109 #1 Zero

122 20 Flight Rock

132 13 Years Of Grief

343 Communication Breakdown(2)

sql = 'SELECT albumid, COUNT(trackid) FROM tracks GROUP BY albumid'
dbGetQuery(db, sql)[1:5,]

1 10 2 1 3 3 4 8 5 15

347 Communication Breakdown(3)

sql = 'SELECT albumid, COUNT(trackid) FROM tracks WHERE albumid = 1 GROUP BY albumid'
dbGetQuery(db, sql)

AlbumId COUNT(trackid)

1 1 10
sql = 'SELECT trackid, name, title FROM tracks INNER JOIN albums ON tracks.albumid = albums.album

AlbumId COUNT(trackid)

1132

dbGetQuery(db, sql)[1:5,]
TrackId
Name

```
Put The Finger On You

Let's Get It Up

Inject The Venom

Snowballed

Title

For Those About To Rock We Salute You

For Those About To Rock We Salute You

For Those About To Rock We Salute You
```

4 For Those About To Rock We Salute You

5 For Those About To Rock We Salute You

1 For Those About To Rock (We Salute You)