# TPeval

## Tayloristas

## 2024-09-19

Milagros Bravo
Abril Wursten
Lucía Gallart
Juan Ferrero
Lucía López Ballester
Constanza Di Rocco
Lucas Guinea Ritta
Nicolás Guntsche

*Grupo Tayloristas*

Universidad Nacional de Cuyo
Ciudad de Mendoza

Parcial

# Ejercicios a resolver

## Bibliotecas

Descargamos las bibliotecas necesarias:

```
library(DBI)
library(RSQLite)
library(glue)
library(here)
```

```
## here() starts at C:/Tecnicas2/Rstudio/TPeval
```

```
library(dplyr)
```

```
##
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
##
##     filter, lag
```

```
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
# Si no tienes la biblioteca here deberás ejecutar setwd() para cambiar tu carpeta de trabajo.
 # setwd("c:/SQL/SQLite/Deezer")
 filename <- glue::glue("{here::here()}/chinook.db")
 # Establecemos la conexión
 con <- DBI::dbConnect(RSQLite::SQLite(), filename)
 DBI::dbListTables(con)
```

```
##  [1] "albums"          "artists"        "customers"      "employees"
##  [5] "genres"          "invoice_items"  "invoices"       "media_types"
##  [9] "playlist_track"  "playlists"      "sqlite_sequence" "sqlite_stat1"
## [13] "tracks"
```

```
#Removemos la table
 ### DBI::dbRemoveTable(con,"england_premier_league")
 # Volvemos a ver todas las tablas que hay en la base de datos
 ### DBI::dbListTables(con)
```

**Tabla 1**

```
query <- "SELECT * FROM albums"
albums <- DBI::dbGetQuery(con, statement = query)
print(head(albums))
```

```
##   AlbumId                          Title ArtistId
## 1       1 For Those About To Rock We Salute You        1
## 2       2                  Balls to the Wall        2
## 3       3                  Restless and Wild        2
## 4       4                  Let There Be Rock        1
## 5       5                           Big Ones        3
## 6       6                  Jagged Little Pill        4
```

Le pedimos a la tabla de Album que nos de todos sus datos, con query nos estamos conectando

## Consigna 1

Con este código, lo que buscamos es que nos muestre la estructura de la tabla albums

```
dbListFields(con, 'albums')
```

```
## [1] "AlbumId"  "Title"    "ArtistId"
```

```
query3 <- dbSendQuery(con, 'SELECT * FROM albums')
```

Para mostrar los solo los títulos de los temas:

```
query4 <- "SELECT Title FROM albums"
albums <- DBI::dbGetQuery(con, statement = query4)
```

```
## Warning: Closing open result set, pending rows
```

```r
print(head(albums))
```

```
##                                    Title
## 1 For Those About To Rock We Salute You
## 2                       Balls to the Wall
## 3                       Restless and Wild
## 4                       Let There Be Rock
## 5                                Big Ones
## 6                       Jagged Little Pill
```

**Tabla 2**

Usamos otra tabla de la figura 1

```r
query5 <- "SELECT * FROM artists"
artists <- DBI::dbGetQuery(con, statement = query5)
print(head(artists))
```

```
##   ArtistId                 Name
## 1        1                AC/DC
## 2        2               Accept
## 3        3             Aerosmith
## 4        4      Alanis Morissette
## 5        5        Alice In Chains
## 6        6 Antônio Carlos Jobim
```

¿Cómo hago para mostrar solamente los nombres de los autores?

```r
query6 <- "SELECT Name FROM artists"
artists <- DBI::dbGetQuery(con, statement = query6)
print(head(artists))
```

```
##                    Name
## 1                AC/DC
## 2               Accept
## 3             Aerosmith
## 4      Alanis Morissette
## 5        Alice In Chains
## 6 Antônio Carlos Jobim
```

## Consigna 2 : Consultas de dos tablas

**Consigna 2.1**

```r
query7 <- "SELECT albums.Title, artists.Name FROM artists , albums "
art_albums <- DBI::dbGetQuery(con, statement = query7)
print(head(art_albums))
```

```
##                                   Title  Name
## 1 For Those About To Rock We Salute You AC/DC
## 2                     Balls to the Wall AC/DC
## 3                     Restless and Wild AC/DC
## 4                     Let There Be Rock AC/DC
## 5                              Big Ones AC/DC
## 6                     Jagged Little Pill AC/DC
```

En este query, elegimos el Título de la tabla album y el Nombre de la tabla artistas

**Consigna 2.2**

```
query8 <- "SELECT albums.Title, artists.Name FROM artists , albums WHERE albums.ArtistId = artists.Art
art_albums <- DBI::dbGetQuery(con, statement = query8)
print(art_albums)
```

```
##                                                       Title
## 1                      For Those About To Rock We Salute You
## 2                                          Balls to the Wall
## 3                                          Restless and Wild
## 4                                          Let There Be Rock
## 5                                                   Big Ones
## 6                                         Jagged Little Pill
## 7                                                   Facelift
## 8                                             Warner 25 Anos
## 9                            Plays Metallica By Four Cellos
## 10                                                Audioslave
## 11                                               Out Of Exile
## 12                                         BackBeat Soundtrack
## 13                                   The Best Of Billy Cobham
## 14                   Alcohol Fueled Brewtality Live! [Disc 1]
## 15                   Alcohol Fueled Brewtality Live! [Disc 2]
## 16                                             Black Sabbath
## 17                           Black Sabbath Vol. 4 (Remaster)
## 18                                                Body Count
## 19                                          Chemical Wedding
## 20        The Best Of Buddy Guy - The Millenium Collection
## 21                                              Prenda Minha
## 22                                     Sozinho Remix Ao Vivo
## 23                                            Minha Historia
## 24                                             Afrociberdelia
## 25                                            Da Lama Ao Caos
## 26                                        Acústico MTV [Live]
## 27                                      Cidade Negra - Hits
## 28                                                  Na Pista
## 29                                            Axé Bahia 2001
## 30                          BBC Sessions [Disc 1] [Live]
## 31                                               Bongo Fury
## 32                                             Carnaval 2001
## 33                                   Chill: Brazil (Disc 1)
## 34                                   Chill: Brazil (Disc 2)
## 35                                       Garage Inc. (Disc 1)
```

4

```
## 36                                                            Greatest Hits II
## 37                                                               Greatest Kiss
## 38                                                          Heart of the Night
## 39                                                       International Superhits
## 40                                                              Into The Light
## 41                                                              Meus Momentos
## 42                                                              Minha História
## 43                                           MK III The Final Concerts [Disc 1]
## 44                                                  Physical Graffiti [Disc 1]
## 45                                                      Sambas De Enredo 2001
## 46                                                               Supernatural
## 47                                                         The Best of Ed Motta
## 48                                             The Essential Miles Davis [Disc 1]
## 49                                             The Essential Miles Davis [Disc 2]
## 50                                                   The Final Concerts (Disc 2)
## 51                                                                 Up An' Atom
## 52                                           Vinícius De Moraes - Sem Limite
## 53                                                               Vozes do MPB
## 54                                                           Chronicle, Vol. 1
## 55                                                           Chronicle, Vol. 2
## 56                                    Cássia Eller - Coleção Sem Limite [Disc 2]
## 57                                          Cássia Eller - Sem Limite [Disc 1]
## 58                                                       Come Taste The Band
## 59                                                       Deep Purple In Rock
## 60                                                                    Fireball
## 61                      Knocking at Your Back Door: The Best Of Deep Purple in the 80's
## 62                                                                Machine Head
## 63                                                              Purpendicular
## 64                                                           Slaves And Masters
## 65                                                               Stormbringer
## 66                                                          The Battle Rages On
## 67                                            Vault: Def Leppard's Greatest Hits
## 68                                                                    Outbreak
## 69                                                     Djavan Ao Vivo - Vol. 02
## 70                                                      Djavan Ao Vivo - Vol. 1
## 71                                                  Elis Regina-Minha História
## 72                                                        The Cream Of Clapton
## 73                                                                  Unplugged
## 74                                                           Album Of The Year
## 75                                                                  Angel Dust
## 76                                            King For A Day Fool For A Lifetime
## 77                                                             The Real Thing
## 78                                                               Deixa Entrar
## 79                                                      In Your Honor [Disc 1]
## 80                                                      In Your Honor [Disc 2]
## 81                                                                  One By One
## 82                                                    The Colour And The Shape
## 83                                      My Way: The Best Of Frank Sinatra [Disc 1]
## 84                                                               Roda De Funk
## 85                                                  As Canções de Eu Tu Eles
## 86                                                 Quanta Gente Veio Ver (Live)
## 87                                   Quanta Gente Veio ver--Bônus De Carnaval
## 88                                                                    Faceless
## 89                                                              American Idiot
```

```
## 90                                                 Appetite for Destruction
## 91                                                    Use Your Illusion I
## 92                                                   Use Your Illusion II
## 93                                                          Blue Moods
## 94                                            A Matter of Life and Death
## 95                                                    A Real Dead One
## 96                                                    A Real Live One
## 97                                                    Brave New World
## 98                                                     Dance Of Death
## 99                                                   Fear Of The Dark
## 100                                                      Iron Maiden
## 101                                                          Killers
## 102                                                 Live After Death
## 103                                   Live At Donington 1992 (Disc 1)
## 104                                   Live At Donington 1992 (Disc 2)
## 105                                             No Prayer For The Dying
## 106                                                   Piece Of Mind
## 107                                                       Powerslave
## 108                                                Rock In Rio [CD1]
## 109                                                Rock In Rio [CD2]
## 110                                       Seventh Son of a Seventh Son
## 111                                                 Somewhere in Time
## 112                                         The Number of The Beast
## 113                                                     The X Factor
## 114                                                      Virtual XI
## 115                                                      Sex Machine
## 116                                          Emergency On Planet Earth
## 117                                                      Synkronized
## 118                                    The Return Of The Space Cowboy
## 119                                                         Get Born
## 120                                              Are You Experienced?
## 121                                  Surfing with the Alien (Remastered)
## 122                                               Jorge Ben Jor 25 Anos
## 123                                                  Jota Quest-1995
## 124                                                        Cafezinho
## 125                                             Living After Midnight
## 126                                                 Unplugged [Live]
## 127                                       BBC Sessions [Disc 2] [Live]
## 128                                                             Coda
## 129                                               Houses Of The Holy
## 130                                           In Through The Out Door
## 131                                                               IV
## 132                                                   Led Zeppelin I
## 133                                                  Led Zeppelin II
## 134                                                 Led Zeppelin III
## 135                                          Physical Graffiti [Disc 2]
## 136                                                         Presence
## 137                                   The Song Remains The Same (Disc 1)
## 138                                   The Song Remains The Same (Disc 2)
## 139                           A TempestadeTempestade Ou O Livro Dos Dias
## 140                                                     Mais Do Mesmo
## 141                                                    Greatest Hits
## 142                          Lulu Santos - RCA 100 Anos De Música - Álbum 01
## 143                          Lulu Santos - RCA 100 Anos De Música - Álbum 02
```

```
## 144                                          Misplaced Childhood
## 145                                             Barulhinho Bom
## 146             Seek And Shall Find: More Of The Best (1963-1981)
## 147                                      The Best Of Men At Work
## 148                                                Black Album
## 149                                       Garage Inc. (Disc 2)
## 150                                               Kill 'Em All
## 151                                                       Load
## 152                                           Master Of Puppets
## 153                                                     ReLoad
## 154                                          Ride The Lightning
## 155                                                  St. Anger
## 156                                        ...And Justice For All
## 157                                                 Miles Ahead
## 158                                   Milton Nascimento Ao Vivo
## 159                                                      Minas
## 160                                              Ace Of Spades
## 161                                                 Demorou...
## 162                                   Motley Crue Greatest Hits
## 163                     From The Muddy Banks Of The Wishkah [Live]
## 164                                                  Nevermind
## 165                                               Compositores
## 166                                                     Olodum
## 167                                               Acústico MTV
## 168                                                 Arquivo II
## 169                             Arquivo Os Paralamas Do Sucesso
## 170                                   Bark at the Moon (Remastered)
## 171                                             Blizzard of Ozz
## 172                               Diary of a Madman (Remastered)
## 173                                No More Tears (Remastered)
## 174                                                    Tribute
## 175                                      Walking Into Clarksdale
## 176                                     Original Soundtracks 1
## 177                                             The Beast Live
## 178                                     Live On Two Legs [Live]
## 179                                                   Pearl Jam
## 180                                                   Riot Act
## 181                                                        Ten
## 182                                                        Vs.
## 183                                        Dark Side Of The Moon
## 184                       Os Cães Ladram Mas A Caravana Não Pára
## 185                                             Greatest Hits I
## 186                                         News Of The World
## 187                                               Out Of Time
## 188                                                      Green
## 189                                     New Adventures In Hi-Fi
## 190                         The Best Of R.E.M.: The IRS Years
## 191                                                Cesta Básica
## 192                                                 Raul Seixas
## 193                                       Blood Sugar Sex Magik
## 194                                                 By The Way
## 195                                             Californication
## 196                                 Retrospective I (1974-1980)
## 197                                     Santana - As Years Go By
```

```
## 198                                                          Santana Live
## 199                                                          Maquinarama
## 200                                                          O Samba Poconé
## 201                                           Judas 0: B-Sides and Rarities
## 202                                           Rotten Apples: Greatest Hits
## 203                                                               A-Sides
## 204                                                          Morning Dance
## 205                                                               In Step
## 206                                                                  Core
## 207                                                             Mezmerize
## 208                                           [1997] Black Light Syndrome
## 209                                                          Live [Disc 1]
## 210                                                          Live [Disc 2]
## 211                                                           The Singles
## 212                                                  Beyond Good And Evil
## 213      Pure Cult: The Best Of The Cult (For Rockers, Ravers, Lovers & Sinners) [UK]
## 214                                                             The Doors
## 215                                            The Police Greatest Hits
## 216                                           Hot Rocks, 1964-1971 (Disc 1)
## 217                                                           No Security
## 218                                                         Voodoo Lounge
## 219                                                              Tangents
## 220                                                          Transmission
## 221                                   My Generation - The Very Best Of The Who
## 222                                               Serie Sem Limite (Disc 1)
## 223                                               Serie Sem Limite (Disc 2)
## 224                                                              Acústico
## 225                                                           Volume Dois
## 226                                   Battlestar Galactica: The Story So Far
## 227                                     Battlestar Galactica, Season 3
## 228                                                     Heroes, Season 1
## 229                                                       Lost, Season 3
## 230                                                       Lost, Season 1
## 231                                                       Lost, Season 2
## 232                                                          Achtung Baby
## 233                                        All That You Can't Leave Behind
## 234                                                     B-Sides 1980-1990
## 235                                        How To Dismantle An Atomic Bomb
## 236                                                                   Pop
## 237                                                         Rattle And Hum
## 238                                                   The Best Of 1980-1990
## 239                                                                   War
## 240                                                               Zooropa
## 241                                         UB40 The Best Of - Volume Two [UK]
## 242                                                            Diver Down
## 243                                           The Best Of Van Halen, Vol. I
## 244                                                             Van Halen
## 245                                                         Van Halen III
## 246                                                            Contraband
## 247                                                   Vinicius De Moraes
## 248                                                       Ao Vivo [IMPORT]
## 249                                                  The Office, Season 1
## 250                                                  The Office, Season 2
## 251                                                  The Office, Season 3
```

8

```
## 306                                            Elgar: Cello Concerto & Vaughan Williams: Fantasias
## 307                                                        Adams, John: The Chairman Dances
## 308 Tchaikovsky: 1812 Festival Overture, Op.49, Capriccio Italien & Beethoven: Wellington's Victory
## 309                                      Palestrina: Missa Papae Marcelli & Allegri: Miserere
## 310                                                               Prokofiev: Romeo & Juliet
## 311                                                                        Strauss: Waltzes
## 312                                                           Berlioz: Symphonie Fantastique
## 313                                                                 Bizet: Carmen Highlights
## 314                                                                     English Renaissance
## 315                                   Handel: Music for the Royal Fireworks (Original Version 1749)
## 316                                 Grieg: Peer Gynt Suites & Sibelius: Pelléas et Mélisande
## 317                                                               Mozart Gala: Famous Arias
## 318                                                             SCRIABIN: Vers la flamme
## 319                                   Armada: Music from the Courts of England and Spain
## 320                                                         Mozart: Symphonies Nos. 40 & 41
## 321                                                                           Back to Black
## 322                                                                                   Frank
## 323                                                      Carried to Dust (Bonus Track Version)
## 324                                                 Beethoven: Symphony No. 6 'Pastoral' Etc.
## 325                                                        Bartok: Violin & Viola Concertos
## 326                                                 Mendelssohn: A Midsummer Night's Dream
## 327                                                        Bach: Orchestral Suites Nos. 1 - 4
## 328                                            Charpentier: Divertissements, Airs & Concerts
## 329                                                                 South American Getaway
## 330                                                               Górecki: Symphony No. 3
## 331                                                                 Purcell: The Fairy Queen
## 332                                                           The Ultimate Relexation Album
## 333                                                         Purcell: Music for the Queen Mary
## 334                                                            Weill: The Seven Deadly Sins
## 335     J.S. Bach: Chaconne, Suite in E Minor, Partita in E Major & Prelude, Fugue and Allegro
## 336                            Prokofiev: Symphony No.5 & Stravinksy: Le Sacre Du Printemps
## 337                                                        Szymanowski: Piano Works, Vol. 1
## 338                                                               Nielsen: The Six Symphonies
## 339                                 Great Recordings of the Century: Paganini's 24 Caprices
## 340                                            Liszt - 12 Études D'Execution Transcendante
## 341                       Great Recordings of the Century - Shubert: Schwanengesang, 4 Lieder
## 342                            Locatelli: Concertos for Violin, Strings and Continuo, Vol. 3
## 343                                                                 Respighi:Pines of Rome
## 344                               Schubert: The Late String Quartets & String Quintet (3 CD's)
## 345                                                                      Monteverdi: L'Orfeo
## 346                                                                   Mozart: Chamber Music
## 347                                       Koyaanisqatsi (Soundtrack from the Motion Picture)
##                                                                                        Name
## 1                                                                                     AC/DC
## 2                                                                                    Accept
## 3                                                                                    Accept
## 4                                                                                     AC/DC
## 5                                                                                 Aerosmith
## 6                                                                         Alanis Morissette
## 7                                                                          Alice In Chains
## 8                                                                    Antônio Carlos Jobim
## 9                                                                              Apocalyptica
## 10                                                                               Audioslave
## 11                                                                               Audioslave
```

```
## 12                                                   BackBeat
## 13                                               Billy Cobham
## 14                                         Black Label Society
## 15                                         Black Label Society
## 16                                               Black Sabbath
## 17                                               Black Sabbath
## 18                                                  Body Count
## 19                                             Bruce Dickinson
## 20                                                   Buddy Guy
## 21                                              Caetano Veloso
## 22                                              Caetano Veloso
## 23                                               Chico Buarque
## 24                                 Chico Science & Nação Zumbi
## 25                                 Chico Science & Nação Zumbi
## 26                                                Cidade Negra
## 27                                                Cidade Negra
## 28                                                Cláudio Zoli
## 29                                             Various Artists
## 30                                                Led Zeppelin
## 31                            Frank Zappa & Captain Beefheart
## 32                                             Various Artists
## 33                                                Marcos Valle
## 34                                       Antônio Carlos Jobim
## 35                                                   Metallica
## 36                                                       Queen
## 37                                                        Kiss
## 38                                                  Spyro Gyra
## 39                                                   Green Day
## 40                                              David Coverdale
## 41                                                 Gonzaguinha
## 42                                                 Os Mutantes
## 43                                                 Deep Purple
## 44                                                Led Zeppelin
## 45                                             Various Artists
## 46                                                     Santana
## 47                                                    Ed Motta
## 48                                                  Miles Davis
## 49                                                  Miles Davis
## 50                                                 Deep Purple
## 51                                                  Gene Krupa
## 52                                         Toquinho & Vinícius
## 53                                             Various Artists
## 54                                  Creedence Clearwater Revival
## 55                                  Creedence Clearwater Revival
## 56                                                 Cássia Eller
## 57                                                 Cássia Eller
## 58                                                 Deep Purple
## 59                                                 Deep Purple
## 60                                                 Deep Purple
## 61                                                 Deep Purple
## 62                                                 Deep Purple
## 63                                                 Deep Purple
## 64                                                 Deep Purple
## 65                                                 Deep Purple
```

```
## 66                                       Deep Purple
## 67                                       Def Leppard
## 68                                    Dennis Chambers
## 69                                             Djavan
## 70                                             Djavan
## 71                                        Elis Regina
## 72                                       Eric Clapton
## 73                                       Eric Clapton
## 74                                      Faith No More
## 75                                      Faith No More
## 76                                      Faith No More
## 77                                      Faith No More
## 78                                          Falamansa
## 79                                       Foo Fighters
## 80                                       Foo Fighters
## 81                                       Foo Fighters
## 82                                       Foo Fighters
## 83                                      Frank Sinatra
## 84                                  Funk Como Le Gusta
## 85                                       Gilberto Gil
## 86                                       Gilberto Gil
## 87                                       Gilberto Gil
## 88                                           Godsmack
## 89                                          Green Day
## 90                                       Guns N' Roses
## 91                                       Guns N' Roses
## 92                                       Guns N' Roses
## 93                                          Incognito
## 94                                        Iron Maiden
## 95                                        Iron Maiden
## 96                                        Iron Maiden
## 97                                        Iron Maiden
## 98                                        Iron Maiden
## 99                                        Iron Maiden
## 100                                       Iron Maiden
## 101                                       Iron Maiden
## 102                                       Iron Maiden
## 103                                       Iron Maiden
## 104                                       Iron Maiden
## 105                                       Iron Maiden
## 106                                       Iron Maiden
## 107                                       Iron Maiden
## 108                                       Iron Maiden
## 109                                       Iron Maiden
## 110                                       Iron Maiden
## 111                                       Iron Maiden
## 112                                       Iron Maiden
## 113                                       Iron Maiden
## 114                                       Iron Maiden
## 115                                        James Brown
## 116                                        Jamiroquai
## 117                                        Jamiroquai
## 118                                        Jamiroquai
## 119                                               JET
```

```
## 120                                    Jimi Hendrix
## 121                                    Joe Satriani
## 122                                       Jorge Ben
## 123                                      Jota Quest
## 124                                   João Suplicy
## 125                                    Judas Priest
## 126                                            Kiss
## 127                                    Led Zeppelin
## 128                                    Led Zeppelin
## 129                                    Led Zeppelin
## 130                                    Led Zeppelin
## 131                                    Led Zeppelin
## 132                                    Led Zeppelin
## 133                                    Led Zeppelin
## 134                                    Led Zeppelin
## 135                                    Led Zeppelin
## 136                                    Led Zeppelin
## 137                                    Led Zeppelin
## 138                                    Led Zeppelin
## 139                                   Legião Urbana
## 140                                   Legião Urbana
## 141                                   Lenny Kravitz
## 142                                     Lulu Santos
## 143                                     Lulu Santos
## 144                                       Marillion
## 145                                    Marisa Monte
## 146                                     Marvin Gaye
## 147                                     Men At Work
## 148                                        Metallica
## 149                                        Metallica
## 150                                        Metallica
## 151                                        Metallica
## 152                                        Metallica
## 153                                        Metallica
## 154                                        Metallica
## 155                                        Metallica
## 156                                        Metallica
## 157                                      Miles Davis
## 158                               Milton Nascimento
## 159                               Milton Nascimento
## 160                                       Motörhead
## 161                                 Mônica Marianno
## 162                                     Mötley Crüe
## 163                                         Nirvana
## 164                                         Nirvana
## 165                                         O Terço
## 166                                          Olodum
## 167                          Os Paralamas Do Sucesso
## 168                          Os Paralamas Do Sucesso
## 169                          Os Paralamas Do Sucesso
## 170                                   Ozzy Osbourne
## 171                                   Ozzy Osbourne
## 172                                   Ozzy Osbourne
## 173                                   Ozzy Osbourne
```

```
## 174                                       Ozzy Osbourne
## 175                                       Page & Plant
## 176                                        Passengers
## 177                                       Paul D'Ianno
## 178                                        Pearl Jam
## 179                                        Pearl Jam
## 180                                        Pearl Jam
## 181                                        Pearl Jam
## 182                                        Pearl Jam
## 183                                        Pink Floyd
## 184                                       Planet Hemp
## 185                                          Queen
## 186                                          Queen
## 187                             R.E.M. Feat. Kate Pearson
## 188                                          R.E.M.
## 189                                          R.E.M.
## 190                                          R.E.M.
## 191                                        Raimundos
## 192                                       Raul Seixas
## 193                                  Red Hot Chili Peppers
## 194                                  Red Hot Chili Peppers
## 195                                  Red Hot Chili Peppers
## 196                                           Rush
## 197                                         Santana
## 198                                         Santana
## 199                                          Skank
## 200                                          Skank
## 201                                    Smashing Pumpkins
## 202                                    Smashing Pumpkins
## 203                                       Soundgarden
## 204                                        Spyro Gyra
## 205                        Stevie Ray Vaughan & Double Trouble
## 206                                   Stone Temple Pilots
## 207                                    System Of A Down
## 208                    Terry Bozzio, Tony Levin & Steve Stevens
## 209                                    The Black Crowes
## 210                                    The Black Crowes
## 211                                        The Clash
## 212                                         The Cult
## 213                                         The Cult
## 214                                        The Doors
## 215                                        The Police
## 216                                    The Rolling Stones
## 217                                    The Rolling Stones
## 218                                    The Rolling Stones
## 219                                      The Tea Party
## 220                                      The Tea Party
## 221                                         The Who
## 222                                         Tim Maia
## 223                                         Tim Maia
## 224                                          Titãs
## 225                                          Titãs
## 226                                    Battlestar Galactica
## 227                                    Battlestar Galactica
```

```
## 228                                                                     Heroes
## 229                                                                       Lost
## 230                                                                       Lost
## 231                                                                       Lost
## 232                                                                         U2
## 233                                                                         U2
## 234                                                                         U2
## 235                                                                         U2
## 236                                                                         U2
## 237                                                                         U2
## 238                                                                         U2
## 239                                                                         U2
## 240                                                                         U2
## 241                                                                       UB40
## 242                                                                  Van Halen
## 243                                                                  Van Halen
## 244                                                                  Van Halen
## 245                                                                  Van Halen
## 246                                                            Velvet Revolver
## 247                                                         Vinícius De Moraes
## 248                                                             Zeca Pagodinho
## 249                                                                 The Office
## 250                                                                 The Office
## 251                                                                 The Office
## 252                                                             Dread Zeppelin
## 253                                              Battlestar Galactica (Classic)
## 254                                                                    Aquaman
## 255                                                                         U2
## 256                                                             Ozzy Osbourne
## 257                                                                  Scorpions
## 258                                                              House Of Pain
## 259                                                                    O Rappa
## 260                                                                       Cake
## 261                                                                       Lost
## 262                                                                  Aisha Duo
## 263                                                     Habib Koité and Bamada
## 264                                                                 Karsh Kale
## 265                                                                 The Posies
## 266                                              Luciana Souza/Romero Lubambo
## 267                                                              Aaron Goldberg
## 268                                                Nicolaus Esterhazy Sinfonia
## 269                                                         Temple of the Dog
## 270                                                              Chris Cornell
## 271                                                                 Audioslave
## 272                                       Alberto Turco & Nova Schola Gregoriana
## 273                           Richard Marlow & The Choir of Trinity College, Cambridge
## 274                                             English Concert & Trevor Pinnock
## 275                    Anne-Sophie Mutter, Herbert Von Karajan & Wiener Philharmoniker
## 276        Hilary Hahn, Jeffrey Kahane, Los Angeles Chamber Orchestra & Margaret Batjer
## 277                                                             Wilhelm Kempff
## 278                                                                    Yo-Yo Ma
## 279                                                   Scholars Baroque Ensemble
## 280                          Academy of St. Martin in the Fields & Sir Neville Marriner
## 281        Academy of St. Martin in the Fields Chamber Ensemble & Sir Neville Marriner
```

```
## 282                           Berliner Philharmoniker, Claudio Abbado & Sabine Meyer
## 283                                Royal Philharmonic Orchestra & Sir Thomas Beecham
## 284                    Orchestre Révolutionnaire et Romantique & John Eliot Gardiner
## 285                                Britten Sinfonia, Ivor Bolton & Lesley Garrett
## 286          Chicago Symphony Chorus, Chicago Symphony Orchestra & Sir Georg Solti
## 287                                    Sir Georg Solti & Wiener Philharmoniker
## 288 Academy of St. Martin in the Fields, John Birch, Sir Neville Marriner & Sylvia McNair
## 289                              London Symphony Orchestra & Sir Charles Mackerras
## 290                                  Barry Wordsworth & BBC Concert Orchestra
## 291                       Herbert Von Karajan, Mirella Freni & Wiener Philharmoniker
## 292                                                           Eugene Ormandy
## 293                                                          Luciano Pavarotti
## 294                                   Leonard Bernstein & New York Philharmonic
## 295                                    Boston Symphony Orchestra & Seiji Ozawa
## 296                                  Aaron Copland & London Symphony Orchestra
## 297                                                              Ton Koopman
## 298                                  Sergei Prokofiev & Yuri Temirkanov
## 299                                  Chicago Symphony Orchestra & Fritz Reiner
## 300                                      Orchestra of The Age of Enlightenment
## 301                      Emanuel Ax, Eugene Ormandy & Philadelphia Orchestra
## 302                                                             James Levine
## 303                                  Berliner Philharmoniker & Hans Rosbaud
## 304                                                          Maurizio Pollini
## 305                                                             Gustav Mahler
## 306          Felix Schmidt, London Symphony Orchestra & Rafael Frühbeck de Burgos
## 307                                  Edo de Waart & San Francisco Symphony
## 308                                  Antal Doráti & London Symphony Orchestra
## 309                                  Choir Of Westminster Abbey & Simon Preston
## 310                              Michael Tilson Thomas & San Francisco Symphony
## 311                                                           Eugene Ormandy
## 312                              Michael Tilson Thomas & San Francisco Symphony
## 313           Chor der Wiener Staatsoper, Herbert Von Karajan & Wiener Philharmoniker
## 314                                                       The King's Singers
## 315                                      English Concert & Trevor Pinnock
## 316                              Berliner Philharmoniker & Herbert Von Karajan
## 317                          Sir Georg Solti, Sumi Jo & Wiener Philharmoniker
## 318                                                       Christopher O'Riley
## 319                                                                 Fretwork
## 320                              Berliner Philharmoniker & Herbert Von Karajan
## 321                                                             Amy Winehouse
## 322                                                             Amy Winehouse
## 323                                                                 Calexico
## 324                                  Otto Klemperer & Philharmonia Orchestra
## 325                                                             Yehudi Menuhin
## 326                              Philharmonia Orchestra & Sir Neville Marriner
## 327          Academy of St. Martin in the Fields, Sir Neville Marriner & Thurston Dart
## 328                                Les Arts Florissants & William Christie
## 329                                The 12 Cellists of The Berlin Philharmonic
## 330                                      Adrian Leaper & Doreen de Feis
## 331                              Roger Norrington, London Classical Players
## 332                      Charles Dutoit & L'Orchestre Symphonique de Montréal
## 333   Equale Brass Ensemble, John Eliot Gardiner & Munich Monteverdi Orchestra and Choir
## 334                              Kent Nagano and Orchestre de l'Opéra de Lyon
## 335                                                             Julian Bream
```

```
## 336                                    Berliner Philharmoniker & Herbert Von Karajan
## 337                                                              Martin Roscoe
## 338                                    Göteborgs Symfoniker & Neeme Järvi
## 339                                                             Itzhak Perlman
## 340                                                          Michele Campanella
## 341                                                                Gerald Moore
## 342                          Mela Tenenbaum, Pro Musica Prague & Richard Kapp
## 343                                                              Eugene Ormandy
## 344                                                       Emerson String Quartet
## 345   C. Monteverdi, Nigel Rogers - Chiaroscuro; London Baroque; London Cornett & Sackbu
## 346                                                                Nash Ensemble
## 347                                                        Philip Glass Ensemble
```

En este caso, hicimos que el query anterior pero le pedimos además que sólo nos muestre aquellos títulos de aquellos nombre donde el Artist ID sea igual en la tabla album y la tabla art

##3 Consigna 2.3

```
#query9 <- "SELECT albums.Title, artists.Name
            #FROM artists, albums
            #WHERE albums.ArtistId = artists.ArtistId
            #AND artists.Name LIKE"
#art_albums <- DBI::dbGetQuery(con , statement = query9)
print((art_albums))
```

```
##                                                                      Title
## 1                                    For Those About To Rock We Salute You
## 2                                                        Balls to the Wall
## 3                                                        Restless and Wild
## 4                                                         Let There Be Rock
## 5                                                                 Big Ones
## 6                                                        Jagged Little Pill
## 7                                                                 Facelift
## 8                                                           Warner 25 Anos
## 9                                            Plays Metallica By Four Cellos
## 10                                                              Audioslave
## 11                                                             Out Of Exile
## 12                                                        BackBeat Soundtrack
## 13                                                     The Best Of Billy Cobham
## 14                                         Alcohol Fueled Brewtality Live! [Disc 1]
## 15                                         Alcohol Fueled Brewtality Live! [Disc 2]
## 16                                                             Black Sabbath
## 17                                               Black Sabbath Vol. 4 (Remaster)
## 18                                                               Body Count
## 19                                                         Chemical Wedding
## 20                               The Best Of Buddy Guy - The Millenium Collection
## 21                                                             Prenda Minha
## 22                                                     Sozinho Remix Ao Vivo
## 23                                                           Minha Historia
## 24                                                            Afrociberdelia
## 25                                                           Da Lama Ao Caos
## 26                                                        Acústico MTV [Live]
## 27                                                      Cidade Negra - Hits
## 28                                                                 Na Pista
```

```
## 29                                              Axé Bahia 2001
## 30                                     BBC Sessions [Disc 1] [Live]
## 31                                                   Bongo Fury
## 32                                                Carnaval 2001
## 33                                        Chill: Brazil (Disc 1)
## 34                                        Chill: Brazil (Disc 2)
## 35                                        Garage Inc. (Disc 1)
## 36                                            Greatest Hits II
## 37                                               Greatest Kiss
## 38                                          Heart of the Night
## 39                                      International Superhits
## 40                                              Into The Light
## 41                                               Meus Momentos
## 42                                              Minha História
## 43                              MK III The Final Concerts [Disc 1]
## 44                                  Physical Graffiti [Disc 1]
## 45                                      Sambas De Enredo 2001
## 46                                               Supernatural
## 47                                         The Best of Ed Motta
## 48                             The Essential Miles Davis [Disc 1]
## 49                             The Essential Miles Davis [Disc 2]
## 50                                 The Final Concerts (Disc 2)
## 51                                                Up An' Atom
## 52                          Vinícius De Moraes - Sem Limite
## 53                                              Vozes do MPB
## 54                                          Chronicle, Vol. 1
## 55                                          Chronicle, Vol. 2
## 56                  Cássia Eller - Coleção Sem Limite [Disc 2]
## 57                       Cássia Eller - Sem Limite [Disc 1]
## 58                                       Come Taste The Band
## 59                                       Deep Purple In Rock
## 60                                                    Fireball
## 61    Knocking at Your Back Door: The Best Of Deep Purple in the 80's
## 62                                               Machine Head
## 63                                               Purpendicular
## 64                                        Slaves And Masters
## 65                                              Stormbringer
## 66                                       The Battle Rages On
## 67                          Vault: Def Leppard's Greatest Hits
## 68                                                    Outbreak
## 69                                   Djavan Ao Vivo - Vol. 02
## 70                                   Djavan Ao Vivo - Vol. 1
## 71                                   Elis Regina-Minha História
## 72                                       The Cream Of Clapton
## 73                                                   Unplugged
## 74                                          Album Of The Year
## 75                                                  Angel Dust
## 76                          King For A Day Fool For A Lifetime
## 77                                              The Real Thing
## 78                                                Deixa Entrar
## 79                                   In Your Honor [Disc 1]
## 80                                   In Your Honor [Disc 2]
## 81                                                  One By One
## 82                                  The Colour And The Shape
```

```
## 83                             My Way: The Best Of Frank Sinatra [Disc 1]
## 84                                                            Roda De Funk
## 85                                                As Canções de Eu Tu Eles
## 86                                              Quanta Gente Veio Ver (Live)
## 87                                    Quanta Gente Veio ver--Bônus De Carnaval
## 88                                                                 Faceless
## 89                                                            American Idiot
## 90                                                 Appetite for Destruction
## 91                                                       Use Your Illusion I
## 92                                                      Use Your Illusion II
## 93                                                               Blue Moods
## 94                                               A Matter of Life and Death
## 95                                                         A Real Dead One
## 96                                                         A Real Live One
## 97                                                          Brave New World
## 98                                                           Dance Of Death
## 99                                                         Fear Of The Dark
## 100                                                             Iron Maiden
## 101                                                                 Killers
## 102                                                        Live After Death
## 103                                         Live At Donington 1992 (Disc 1)
## 104                                         Live At Donington 1992 (Disc 2)
## 105                                                 No Prayer For The Dying
## 106                                                           Piece Of Mind
## 107                                                              Powerslave
## 108                                                       Rock In Rio [CD1]
## 109                                                       Rock In Rio [CD2]
## 110                                              Seventh Son of a Seventh Son
## 111                                                        Somewhere in Time
## 112                                                 The Number of The Beast
## 113                                                            The X Factor
## 114                                                              Virtual XI
## 115                                                             Sex Machine
## 116                                              Emergency On Planet Earth
## 117                                                              Synkronized
## 118                                          The Return Of The Space Cowboy
## 119                                                                Get Born
## 120                                                     Are You Experienced?
## 121                                          Surfing with the Alien (Remastered)
## 122                                                    Jorge Ben Jor 25 Anos
## 123                                                        Jota Quest-1995
## 124                                                                Cafezinho
## 125                                                    Living After Midnight
## 126                                                        Unplugged [Live]
## 127                                           BBC Sessions [Disc 2] [Live]
## 128                                                                    Coda
## 129                                                     Houses Of The Holy
## 130                                                  In Through The Out Door
## 131                                                                      IV
## 132                                                          Led Zeppelin I
## 133                                                         Led Zeppelin II
## 134                                                        Led Zeppelin III
## 135                                             Physical Graffiti [Disc 2]
## 136                                                                Presence
```

```
## 137                                    The Song Remains The Same (Disc 1)
## 138                                    The Song Remains The Same (Disc 2)
## 139                  A TempestadeTempestade Ou O Livro Dos Dias
## 140                                                  Mais Do Mesmo
## 141                                                  Greatest Hits
## 142             Lulu Santos – RCA 100 Anos De Música – Álbum 01
## 143             Lulu Santos – RCA 100 Anos De Música – Álbum 02
## 144                                             Misplaced Childhood
## 145                                                Barulhinho Bom
## 146         Seek And Shall Find: More Of The Best (1963-1981)
## 147                                         The Best Of Men At Work
## 148                                                    Black Album
## 149                                            Garage Inc. (Disc 2)
## 150                                                   Kill 'Em All
## 151                                                           Load
## 152                                              Master Of Puppets
## 153                                                         ReLoad
## 154                                              Ride The Lightning
## 155                                                      St. Anger
## 156                                        ...And Justice For All
## 157                                                    Miles Ahead
## 158                                      Milton Nascimento Ao Vivo
## 159                                                          Minas
## 160                                                  Ace Of Spades
## 161                                                     Demorou...
## 162                                    Motley Crue Greatest Hits
## 163               From The Muddy Banks Of The Wishkah [Live]
## 164                                                      Nevermind
## 165                                                   Compositores
## 166                                                         Olodum
## 167                                                   Acústico MTV
## 168                                                     Arquivo II
## 169                               Arquivo Os Paralamas Do Sucesso
## 170                                       Bark at the Moon (Remastered)
## 171                                                 Blizzard of Ozz
## 172                                     Diary of a Madman (Remastered)
## 173                                     No More Tears (Remastered)
## 174                                                        Tribute
## 175                                         Walking Into Clarksdale
## 176                                         Original Soundtracks 1
## 177                                                 The Beast Live
## 178                                          Live On Two Legs [Live]
## 179                                                       Pearl Jam
## 180                                                       Riot Act
## 181                                                            Ten
## 182                                                            Vs.
## 183                                           Dark Side Of The Moon
## 184                       Os Cães Ladram Mas A Caravana Não Pára
## 185                                                Greatest Hits I
## 186                                              News Of The World
## 187                                                    Out Of Time
## 188                                                          Green
## 189                                           New Adventures In Hi-Fi
## 190                           The Best Of R.E.M.: The IRS Years
```

```
## 191                                                           Cesta Básica
## 192                                                             Raul Seixas
## 193                                                  Blood Sugar Sex Magik
## 194                                                              By The Way
## 195                                                          Californication
## 196                                            Retrospective I (1974-1980)
## 197                                             Santana - As Years Go By
## 198                                                           Santana Live
## 199                                                            Maquinarama
## 200                                                        O Samba Poconé
## 201                                         Judas 0: B-Sides and Rarities
## 202                                          Rotten Apples: Greatest Hits
## 203                                                                 A-Sides
## 204                                                           Morning Dance
## 205                                                                 In Step
## 206                                                                    Core
## 207                                                               Mezmerize
## 208                                         [1997] Black Light Syndrome
## 209                                                          Live [Disc 1]
## 210                                                          Live [Disc 2]
## 211                                                             The Singles
## 212                                                  Beyond Good And Evil
## 213       Pure Cult: The Best Of The Cult (For Rockers, Ravers, Lovers & Sinners) [UK]
## 214                                                               The Doors
## 215                                            The Police Greatest Hits
## 216                                         Hot Rocks, 1964-1971 (Disc 1)
## 217                                                             No Security
## 218                                                           Voodoo Lounge
## 219                                                                Tangents
## 220                                                            Transmission
## 221                                     My Generation - The Very Best Of The Who
## 222                                              Serie Sem Limite (Disc 1)
## 223                                              Serie Sem Limite (Disc 2)
## 224                                                                Acústico
## 225                                                             Volume Dois
## 226                                    Battlestar Galactica: The Story So Far
## 227                                       Battlestar Galactica, Season 3
## 228                                                      Heroes, Season 1
## 229                                                         Lost, Season 3
## 230                                                         Lost, Season 1
## 231                                                         Lost, Season 2
## 232                                                            Achtung Baby
## 233                                        All That You Can't Leave Behind
## 234                                                      B-Sides 1980-1990
## 235                                       How To Dismantle An Atomic Bomb
## 236                                                                     Pop
## 237                                                           Rattle And Hum
## 238                                                    The Best Of 1980-1990
## 239                                                                     War
## 240                                                                 Zooropa
## 241                                        UB40 The Best Of - Volume Two [UK]
## 242                                                              Diver Down
## 243                                            The Best Of Van Halen, Vol. I
## 244                                                               Van Halen
```

```
## 245                                                              Van Halen III
## 246                                                                  Contraband
## 247                                                          Vinicius De Moraes
## 248                                                           Ao Vivo [IMPORT]
## 249                                                    The Office, Season 1
## 250                                                    The Office, Season 2
## 251                                                    The Office, Season 3
## 252                                                                  Un-Led-Ed
## 253                                   Battlestar Galactica (Classic), Season 1
## 254                                                                    Aquaman
## 255              Instant Karma: The Amnesty International Campaign to Save Darfur
## 256                                                          Speak of the Devil
## 257        20th Century Masters - The Millennium Collection: The Best of Scorpions
## 258                                                               House of Pain
## 259          Radio Brasil (O Som da Jovem Vanguarda) - Seleccao de Henrique Amaro
## 260                                                   Cake: B-Sides and Rarities
## 261                                                              LOST, Season 4
## 262                                                                 Quiet Songs
## 263                                                                     Muso Ko
## 264                                                                     Realize
## 265                                                         Every Kind of Light
## 266                                                                     Duos II
## 267                                                                      Worlds
## 268                                                       The Best of Beethoven
## 269                                                          Temple of the Dog
## 270                                                                    Carry On
## 271                                                                 Revelations
## 272                     Adorate Deum: Gregorian Chant from the Proper of the Mass
## 273                                                          Allegri: Miserere
## 274                                                    Pachelbel: Canon & Gigue
## 275                                                   Vivaldi: The Four Seasons
## 276                                                     Bach: Violin Concertos
## 277                                                   Bach: Goldberg Variations
## 278                                                       Bach: The Cello Suites
## 279                                             Handel: The Messiah (Highlights)
## 280                                            The World of Classical Favourites
## 281                                          Sir Neville Marriner: A Celebration
## 282                                                      Mozart: Wind Concertos
## 283                                                     Haydn: Symphonies 99 - 104
## 284                                             Beethoven: Symhonies Nos. 5 & 6
## 285                                                           A Soprano Inspired
## 286                                                        Great Opera Choruses
## 287                                                   Wagner: Favourite Overtures
## 288                                          Fauré: Requiem, Ravel: Pavane & Others
## 289                                                 Tchaikovsky: The Nutcracker
## 290                                                  The Last Night of the Proms
## 291                                          Puccini: Madama Butterfly - Highlights
## 292                          Holst: The Planets, Op. 32 & Vaughan Williams: Fantasies
## 293                                                  Pavarotti's Opera Made Easy
## 294        Great Performances - Barber's Adagio and Other Romantic Favorites for Strings
## 295                                                              Carmina Burana
## 296                                                  A Copland Celebration, Vol. I
## 297                                           Bach: Toccata & Fugue in D Minor
## 298                                                    Prokofiev: Symphony No.1
```

```
## 299                                                              Scheherazade
## 300                                                Bach: The Brandenburg Concertos
## 301                                               Chopin: Piano Concertos Nos. 1 & 2
## 302                                                Mascagni: Cavalleria Rusticana
## 303                                                         Sibelius: Finlandia
## 304                                    Beethoven Piano Sonatas: Moonlight & Pastorale
## 305                    Great Recordings of the Century - Mahler: Das Lied von der Erde
## 306                          Elgar: Cello Concerto & Vaughan Williams: Fantasias
## 307                                            Adams, John: The Chairman Dances
## 308 Tchaikovsky: 1812 Festival Overture, Op.49, Capriccio Italien & Beethoven: Wellington's Victory
## 309                          Palestrina: Missa Papae Marcelli & Allegri: Miserere
## 310                                                 Prokofiev: Romeo & Juliet
## 311                                                         Strauss: Waltzes
## 312                                              Berlioz: Symphonie Fantastique
## 313                                                  Bizet: Carmen Highlights
## 314                                                         English Renaissance
## 315                         Handel: Music for the Royal Fireworks (Original Version 1749)
## 316                          Grieg: Peer Gynt Suites & Sibelius: Pelléas et Mélisande
## 317                                                   Mozart Gala: Famous Arias
## 318                                               SCRIABIN: Vers la flamme
## 319                          Armada: Music from the Courts of England and Spain
## 320                                            Mozart: Symphonies Nos. 40 & 41
## 321                                                             Back to Black
## 322                                                                     Frank
## 323                                        Carried to Dust (Bonus Track Version)
## 324                                        Beethoven: Symphony No. 6 'Pastoral' Etc.
## 325                                           Bartok: Violin & Viola Concertos
## 326                                      Mendelssohn: A Midsummer Night's Dream
## 327                                          Bach: Orchestral Suites Nos. 1 - 4
## 328                                   Charpentier: Divertissements, Airs & Concerts
## 329                                                    South American Getaway
## 330                                              Górecki: Symphony No. 3
## 331                                               Purcell: The Fairy Queen
## 332                                           The Ultimate Relexation Album
## 333                                         Purcell: Music for the Queen Mary
## 334                                             Weill: The Seven Deadly Sins
## 335      J.S. Bach: Chaconne, Suite in E Minor, Partita in E Major & Prelude, Fugue and Allegro
## 336                             Prokofiev: Symphony No.5 & Stravinksy: Le Sacre Du Printemps
## 337                                           Szymanowski: Piano Works, Vol. 1
## 338                                               Nielsen: The Six Symphonies
## 339                         Great Recordings of the Century: Paganini's 24 Caprices
## 340                                Liszt - 12 Études D'Execution Transcendante
## 341                 Great Recordings of the Century - Shubert: Schwanengesang, 4 Lieder
## 342                    Locatelli: Concertos for Violin, Strings and Continuo, Vol. 3
## 343                                                   Respighi:Pines of Rome
## 344                        Schubert: The Late String Quartets & String Quintet (3 CD's)
## 345                                                      Monteverdi: L'Orfeo
## 346                                                  Mozart: Chamber Music
## 347                              Koyaanisqatsi (Soundtrack from the Motion Picture)
## ##                                                                       Name
## 1                                                                      AC/DC
## 2                                                                     Accept
## 3                                                                     Accept
## 4                                                                      AC/DC
```

```
## 5                               Aerosmith
## 6                        Alanis Morissette
## 7                          Alice In Chains
## 8                      Antônio Carlos Jobim
## 9                             Apocalyptica
## 10                              Audioslave
## 11                              Audioslave
## 12                                BackBeat
## 13                             Billy Cobham
## 14                      Black Label Society
## 15                      Black Label Society
## 16                            Black Sabbath
## 17                            Black Sabbath
## 18                               Body Count
## 19                         Bruce Dickinson
## 20                                Buddy Guy
## 21                           Caetano Veloso
## 22                           Caetano Veloso
## 23                            Chico Buarque
## 24               Chico Science & Nação Zumbi
## 25               Chico Science & Nação Zumbi
## 26                             Cidade Negra
## 27                             Cidade Negra
## 28                             Cláudio Zoli
## 29                          Various Artists
## 30                             Led Zeppelin
## 31            Frank Zappa & Captain Beefheart
## 32                          Various Artists
## 33                             Marcos Valle
## 34                      Antônio Carlos Jobim
## 35                                Metallica
## 36                                    Queen
## 37                                     Kiss
## 38                               Spyro Gyra
## 39                                Green Day
## 40                          David Coverdale
## 41                              Gonzaguinha
## 42                              Os Mutantes
## 43                              Deep Purple
## 44                             Led Zeppelin
## 45                          Various Artists
## 46                                  Santana
## 47                                 Ed Motta
## 48                              Miles Davis
## 49                              Miles Davis
## 50                              Deep Purple
## 51                               Gene Krupa
## 52                      Toquinho & Vinícius
## 53                          Various Artists
## 54                Creedence Clearwater Revival
## 55                Creedence Clearwater Revival
## 56                             Cássia Eller
## 57                             Cássia Eller
## 58                              Deep Purple
```

```
## 59                                                    Deep Purple
## 60                                                    Deep Purple
## 61                                                    Deep Purple
## 62                                                    Deep Purple
## 63                                                    Deep Purple
## 64                                                    Deep Purple
## 65                                                    Deep Purple
## 66                                                    Deep Purple
## 67                                                    Def Leppard
## 68                                               Dennis Chambers
## 69                                                         Djavan
## 70                                                         Djavan
## 71                                                    Elis Regina
## 72                                                   Eric Clapton
## 73                                                   Eric Clapton
## 74                                                  Faith No More
## 75                                                  Faith No More
## 76                                                  Faith No More
## 77                                                  Faith No More
## 78                                                      Falamansa
## 79                                                   Foo Fighters
## 80                                                   Foo Fighters
## 81                                                   Foo Fighters
## 82                                                   Foo Fighters
## 83                                                   Frank Sinatra
## 84                                           Funk Como Le Gusta
## 85                                                   Gilberto Gil
## 86                                                   Gilberto Gil
## 87                                                   Gilberto Gil
## 88                                                       Godsmack
## 89                                                      Green Day
## 90                                                  Guns N' Roses
## 91                                                  Guns N' Roses
## 92                                                  Guns N' Roses
## 93                                                      Incognito
## 94                                                    Iron Maiden
## 95                                                    Iron Maiden
## 96                                                    Iron Maiden
## 97                                                    Iron Maiden
## 98                                                    Iron Maiden
## 99                                                    Iron Maiden
## 100                                                   Iron Maiden
## 101                                                   Iron Maiden
## 102                                                   Iron Maiden
## 103                                                   Iron Maiden
## 104                                                   Iron Maiden
## 105                                                   Iron Maiden
## 106                                                   Iron Maiden
## 107                                                   Iron Maiden
## 108                                                   Iron Maiden
## 109                                                   Iron Maiden
## 110                                                   Iron Maiden
## 111                                                   Iron Maiden
## 112                                                   Iron Maiden
```

```
## 113                           Iron Maiden
## 114                           Iron Maiden
## 115                           James Brown
## 116                            Jamiroquai
## 117                            Jamiroquai
## 118                            Jamiroquai
## 119                                   JET
## 120                          Jimi Hendrix
## 121                          Joe Satriani
## 122                             Jorge Ben
## 123                            Jota Quest
## 124                          João Suplicy
## 125                          Judas Priest
## 126                                  Kiss
## 127                          Led Zeppelin
## 128                          Led Zeppelin
## 129                          Led Zeppelin
## 130                          Led Zeppelin
## 131                          Led Zeppelin
## 132                          Led Zeppelin
## 133                          Led Zeppelin
## 134                          Led Zeppelin
## 135                          Led Zeppelin
## 136                          Led Zeppelin
## 137                          Led Zeppelin
## 138                          Led Zeppelin
## 139                         Legião Urbana
## 140                         Legião Urbana
## 141                         Lenny Kravitz
## 142                           Lulu Santos
## 143                           Lulu Santos
## 144                             Marillion
## 145                          Marisa Monte
## 146                           Marvin Gaye
## 147                           Men At Work
## 148                             Metallica
## 149                             Metallica
## 150                             Metallica
## 151                             Metallica
## 152                             Metallica
## 153                             Metallica
## 154                             Metallica
## 155                             Metallica
## 156                             Metallica
## 157                           Miles Davis
## 158                     Milton Nascimento
## 159                     Milton Nascimento
## 160                             Motörhead
## 161                       Mônica Marianno
## 162                          Mötley Crüe
## 163                               Nirvana
## 164                               Nirvana
## 165                               O Terço
## 166                                Olodum
```

```
## 167                                              Os Paralamas Do Sucesso
## 168                                              Os Paralamas Do Sucesso
## 169                                              Os Paralamas Do Sucesso
## 170                                                       Ozzy Osbourne
## 171                                                       Ozzy Osbourne
## 172                                                       Ozzy Osbourne
## 173                                                       Ozzy Osbourne
## 174                                                       Ozzy Osbourne
## 175                                                         Page & Plant
## 176                                                           Passengers
## 177                                                        Paul D'Ianno
## 178                                                            Pearl Jam
## 179                                                            Pearl Jam
## 180                                                            Pearl Jam
## 181                                                            Pearl Jam
## 182                                                            Pearl Jam
## 183                                                           Pink Floyd
## 184                                                          Planet Hemp
## 185                                                                Queen
## 186                                                                Queen
## 187                                            R.E.M. Feat. Kate Pearson
## 188                                                               R.E.M.
## 189                                                               R.E.M.
## 190                                                               R.E.M.
## 191                                                            Raimundos
## 192                                                          Raul Seixas
## 193                                                Red Hot Chili Peppers
## 194                                                Red Hot Chili Peppers
## 195                                                Red Hot Chili Peppers
## 196                                                                 Rush
## 197                                                              Santana
## 198                                                              Santana
## 199                                                                Skank
## 200                                                                Skank
## 201                                                    Smashing Pumpkins
## 202                                                    Smashing Pumpkins
## 203                                                          Soundgarden
## 204                                                           Spyro Gyra
## 205                                    Stevie Ray Vaughan & Double Trouble
## 206                                                   Stone Temple Pilots
## 207                                                     System Of A Down
## 208                                Terry Bozzio, Tony Levin & Steve Stevens
## 209                                                     The Black Crowes
## 210                                                     The Black Crowes
## 211                                                            The Clash
## 212                                                             The Cult
## 213                                                             The Cult
## 214                                                            The Doors
## 215                                                           The Police
## 216                                                   The Rolling Stones
## 217                                                   The Rolling Stones
## 218                                                   The Rolling Stones
## 219                                                        The Tea Party
## 220                                                        The Tea Party
```

27

```
## 221                                                     The Who
## 222                                                     Tim Maia
## 223                                                     Tim Maia
## 224                                                        Titãs
## 225                                                        Titãs
## 226                                          Battlestar Galactica
## 227                                          Battlestar Galactica
## 228                                                       Heroes
## 229                                                         Lost
## 230                                                         Lost
## 231                                                         Lost
## 232                                                           U2
## 233                                                           U2
## 234                                                           U2
## 235                                                           U2
## 236                                                           U2
## 237                                                           U2
## 238                                                           U2
## 239                                                           U2
## 240                                                           U2
## 241                                                         UB40
## 242                                                    Van Halen
## 243                                                    Van Halen
## 244                                                    Van Halen
## 245                                                    Van Halen
## 246                                              Velvet Revolver
## 247                                           Vinícius De Moraes
## 248                                               Zeca Pagodinho
## 249                                                   The Office
## 250                                                   The Office
## 251                                                   The Office
## 252                                                Dread Zeppelin
## 253                                  Battlestar Galactica (Classic)
## 254                                                      Aquaman
## 255                                                           U2
## 256                                               Ozzy Osbourne
## 257                                                    Scorpions
## 258                                                 House Of Pain
## 259                                                      O Rappa
## 260                                                         Cake
## 261                                                         Lost
## 262                                                    Aisha Duo
## 263                                      Habib Koité and Bamada
## 264                                                   Karsh Kale
## 265                                                   The Posies
## 266                                 Luciana Souza/Romero Lubambo
## 267                                               Aaron Goldberg
## 268                                  Nicolaus Esterhazy Sinfonia
## 269                                           Temple of the Dog
## 270                                                Chris Cornell
## 271                                                   Audioslave
## 272                            Alberto Turco & Nova Schola Gregoriana
## 273            Richard Marlow & The Choir of Trinity College, Cambridge
## 274                                 English Concert & Trevor Pinnock
```

```
## 275                         Anne-Sophie Mutter, Herbert Von Karajan & Wiener Philharmoniker
## 276           Hilary Hahn, Jeffrey Kahane, Los Angeles Chamber Orchestra & Margaret Batjer
## 277                                                                         Wilhelm Kempff
## 278                                                                               Yo-Yo Ma
## 279                                                               Scholars Baroque Ensemble
## 280                             Academy of St. Martin in the Fields & Sir Neville Marriner
## 281            Academy of St. Martin in the Fields Chamber Ensemble & Sir Neville Marriner
## 282                             Berliner Philharmoniker, Claudio Abbado & Sabine Meyer
## 283                                     Royal Philharmonic Orchestra & Sir Thomas Beecham
## 284                     Orchestre Révolutionnaire et Romantique & John Eliot Gardiner
## 285                                 Britten Sinfonia, Ivor Bolton & Lesley Garrett
## 286            Chicago Symphony Chorus, Chicago Symphony Orchestra & Sir Georg Solti
## 287                                         Sir Georg Solti & Wiener Philharmoniker
## 288 Academy of St. Martin in the Fields, John Birch, Sir Neville Marriner & Sylvia McNair
## 289                                 London Symphony Orchestra & Sir Charles Mackerras
## 290                                     Barry Wordsworth & BBC Concert Orchestra
## 291                     Herbert Von Karajan, Mirella Freni & Wiener Philharmoniker
## 292                                                                         Eugene Ormandy
## 293                                                                       Luciano Pavarotti
## 294                                         Leonard Bernstein & New York Philharmonic
## 295                                         Boston Symphony Orchestra & Seiji Ozawa
## 296                                     Aaron Copland & London Symphony Orchestra
## 297                                                                             Ton Koopman
## 298                                         Sergei Prokofiev & Yuri Temirkanov
## 299                                         Chicago Symphony Orchestra & Fritz Reiner
## 300                                             Orchestra of The Age of Enlightenment
## 301                             Emanuel Ax, Eugene Ormandy & Philadelphia Orchestra
## 302                                                                             James Levine
## 303                                         Berliner Philharmoniker & Hans Rosbaud
## 304                                                                       Maurizio Pollini
## 305                                                                           Gustav Mahler
## 306            Felix Schmidt, London Symphony Orchestra & Rafael Frühbeck de Burgos
## 307                                     Edo de Waart & San Francisco Symphony
## 308                                     Antal Doráti & London Symphony Orchestra
## 309                                     Choir Of Westminster Abbey & Simon Preston
## 310                             Michael Tilson Thomas & San Francisco Symphony
## 311                                                                         Eugene Ormandy
## 312                             Michael Tilson Thomas & San Francisco Symphony
## 313            Chor der Wiener Staatsoper, Herbert Von Karajan & Wiener Philharmoniker
## 314                                                                       The King's Singers
## 315                                             English Concert & Trevor Pinnock
## 316                                     Berliner Philharmoniker & Herbert Von Karajan
## 317                                     Sir Georg Solti, Sumi Jo & Wiener Philharmoniker
## 318                                                                   Christopher O'Riley
## 319                                                                               Fretwork
## 320                                     Berliner Philharmoniker & Herbert Von Karajan
## 321                                                                           Amy Winehouse
## 322                                                                           Amy Winehouse
## 323                                                                               Calexico
## 324                                     Otto Klemperer & Philharmonia Orchestra
## 325                                                                         Yehudi Menuhin
## 326                                     Philharmonia Orchestra & Sir Neville Marriner
## 327            Academy of St. Martin in the Fields, Sir Neville Marriner & Thurston Dart
## 328                                     Les Arts Florissants & William Christie
```

```
## 329                                            The 12 Cellists of The Berlin Philharmonic
## 330                                                Adrian Leaper & Doreen de Feis
## 331                                         Roger Norrington, London Classical Players
## 332                              Charles Dutoit & L'Orchestre Symphonique de Montréal
## 333   Equale Brass Ensemble, John Eliot Gardiner & Munich Monteverdi Orchestra and Choir
## 334                                    Kent Nagano and Orchestre de l'Opéra de Lyon
## 335                                                              Julian Bream
## 336                                  Berliner Philharmoniker & Herbert Von Karajan
## 337                                                             Martin Roscoe
## 338                                      Göteborgs Symfoniker & Neeme Järvi
## 339                                                             Itzhak Perlman
## 340                                                         Michele Campanella
## 341                                                               Gerald Moore
## 342                              Mela Tenenbaum, Pro Musica Prague & Richard Kapp
## 343                                                             Eugene Ormandy
## 344                                                     Emerson String Quartet
## 345   C. Monteverdi, Nigel Rogers - Chiaroscuro; London Baroque; London Cornett & Sackbu
## 346                                                              Nash Ensemble
## 347                                                      Philip Glass Ensemble
```

## Consigna 3: Obtener datos ordenados por columna

```
query10<-"SELECT artists.Name FROM artists WHERE artists.Artistid < 30 ORDER BY -artists.Artistid"
artists<-DBI::dbGetQuery(con , statement = query10)
print((artists))
```

```
##                                 Name
## 1                      Bebel Gilberto
## 2                      João Gilberto
## 3                        Gilberto Gil
## 4                             Azymuth
## 5          Milton Nascimento & Bebeto
## 6                        Marcos Valle
## 7    Frank Zappa & Captain Beefheart
## 8                        Led Zeppelin
## 9                     Various Artists
## 10                       Cláudio Zoli
## 11                       Cidade Negra
## 12      Chico Science & Nação Zumbi
## 13                      Chico Buarque
## 14                     Caetano Veloso
## 15                          Buddy Guy
## 16                    Bruce Dickinson
## 17                         Body Count
## 18                      Black Sabbath
## 19                 Black Label Society
## 20                       Billy Cobham
## 21                           BackBeat
## 22                          Audioslave
## 23                        Apocalyptica
## 24               Antônio Carlos Jobim
## 25                     Alice In Chains
```

```
## 26                 Alanis Morissette
## 27                       Aerosmith
## 28                          Accept
## 29                           AC/DC
```

Reescribe este query para que los nombres de los artistas aparezcan ordenados alfabéticamente: sacamos el menos y le ponemos .Name

```
query10<-"SELECT artists.Name FROM artists WHERE artists.Artistid < 30 ORDER BY artists.Name"
artists<-DBI::dbGetQuery(con , statement = query10)
print((artists))
```

```
##                                  Name
## 1                               AC/DC
## 2                              Accept
## 3                            Aerosmith
## 4                    Alanis Morissette
## 5                     Alice In Chains
## 6                 Antônio Carlos Jobim
## 7                         Apocalyptica
## 8                           Audioslave
## 9                             Azymuth
## 10                           BackBeat
## 11                     Bebel Gilberto
## 12                       Billy Cobham
## 13                 Black Label Society
## 14                       Black Sabbath
## 15                         Body Count
## 16                    Bruce Dickinson
## 17                          Buddy Guy
## 18                     Caetano Veloso
## 19                       Chico Buarque
## 20     Chico Science & Nação Zumbi
## 21                       Cidade Negra
## 22                        Cláudio Zoli
## 23 Frank Zappa & Captain Beefheart
## 24                        Gilberto Gil
## 25                       João Gilberto
## 26                        Led Zeppelin
## 27                        Marcos Valle
## 28     Milton Nascimento & Bebeto
## 29                     Various Artists
```

## Tabla3:Contabilización y sumas

```
query11<-"SELECT*FROM invoices"
invoice<-DBI::dbGetQuery(con,statement=query11)
print(head(invoice))
```

```
##   InvoiceId CustomerId          InvoiceDate          BillingAddress BillingCity
## 1         1          2 2009-01-01 00:00:00 Theodor-Heuss-Straße 34   Stuttgart
```

```
## 2          2           4 2009-01-02 00:00:00        Ullevålsveien 14        Oslo
## 3          3           8 2009-01-03 00:00:00        Grétrystraat 63     Brussels
## 4          4          14 2009-01-06 00:00:00         8210 111 ST NW     Edmonton
## 5          5          23 2009-01-11 00:00:00         69 Salem Street       Boston
## 6          6          37 2009-01-19 00:00:00        Berger Straße 10    Frankfurt
##   BillingState BillingCountry BillingPostalCode Total
## 1         <NA>        Germany             70174  1.98
## 2         <NA>         Norway              0171  3.96
## 3         <NA>        Belgium              1000  5.94
## 4           AB         Canada           T6G 2C7  8.91
## 5           MA            USA              2113 13.86
## 6         <NA>        Germany             60316  0.99
```

**Consigna 4**

¿Cuántas entradas tiene la table de facturas?

```
query12<-"SELECT COUNT(*)FROM invoices"
invoice<-DBI::dbGetQuery(con,statement=query12)
print(head(invoice))
```

```
##   COUNT(*)
## 1      412
```

¿Cuánto totalizan la suma del gran total de las 412 de facturas?

El número expresado está en millones de euros.

```
   query13<-"SELECT sum(invoices.Total)FROM invoices"
invoice<-DBI::dbGetQuery(con,statement=query13)
print(head(invoice))
```

```
##   sum(invoices.Total)
## 1              2328.6
```

¿Cómo cambiarías este query para que se obtenga el total de las facturas que vienen de Canada?

```
query14<-"SELECT sum(invoices.Total)FROM invoices WHERE BillingCountry= 'Canada'"
 invoice<-DBI::dbGetQuery(con,statement=query14)
 print(head(invoice))
```

```
##   sum(invoices.Total)
## 1              303.96
```

**Consigna 5: Totales AND y límite superior**

```
query15 <- "
 SELECT
 BillingAddress,
```

```
BillingCity,
Total
FROM
invoices
WHERE
BillingCity = 'New York'
AND Total > 5
ORDER BY
Total;
"
invoice <- DBI::dbGetQuery(con, statement = query15)
print(head(invoice))
```

```
##   BillingAddress BillingCity Total
## 1   627 Broadway    New York  5.94
## 2   627 Broadway    New York  8.91
## 3   627 Broadway    New York 13.86
```

```
query16 <- "
 SELECT
 BillingAddress,
 BillingCity,
 sum(invoices.Total)
 FROM
 invoices
 WHERE
 BillingCity = 'New York' OR 'Chicago'
 AND invoices.Total <= 2
 ORDER BY
 Total;
 "
 invoice <- DBI::dbGetQuery(con, statement = query16)
 print(head(invoice))
```

```
##   BillingAddress BillingCity sum(invoices.Total)
## 1   627 Broadway    New York               37.62
```

## Consigna 5

La playlist que más nos gusta y los milisegundos que tiene

```
 ### Para ver las playlists contenidas en la tabla playlists
query_playlists <- "SELECT * FROM playlists"
playlists <- DBI::dbGetQuery(con, statement = query_playlists)
print(playlists)
```

```
##   PlaylistId                    Name
## 1          1                   Music
## 2          2                  Movies
## 3          3                TV Shows
## 4          4              Audiobooks
```

```
## 5            5                90's Music
## 6            6                Audiobooks
## 7            7                   Movies
## 8            8                    Music
## 9            9             Music Videos
## 10          10                 TV Shows
## 11          11           Brazilian Music
## 12          12                Classical
## 13          13  Classical 101 - Deep Cuts
## 14          14 Classical 101 - Next Steps
## 15          15 Classical 101 - The Basics
## 16          16                   Grunge
## 17          17        Heavy Metal Classic
## 18          18                On-The-Go 1
```

```r
query_milliseconds <- "
    SELECT SUM(tracks.Milliseconds) as TotalMilliseconds
    FROM playlists
    JOIN playlist_track ON playlists.PlaylistId = playlist_track.PlaylistId
    JOIN tracks ON playlist_track.TrackId = tracks.TrackId
    WHERE playlists.Name = 'Brazilian Music'
"
total_milliseconds <- DBI::dbGetQuery(con, statement = query_milliseconds)
print(total_milliseconds)
```

```
##   TotalMilliseconds
## 1          9486559
```