# Lab2Q3

Please make sure "database.sqlite" file is in current working directory.

## Installing and Loading required libraries

```
if(!require(RSQLite))
    install.packages("RSQLite")
library(RSQLite,quietly = T)
```

## Creating connection to sqlite

```
con = dbConnect(SQLite(),dbname = "database.sqlite")

dbListTables(con)
```

```
## [1] "Country"          "League"           "Match"
## [4] "Player"           "Player_Attributes" "Team"
## [7] "Team_Attributes"  "sqlite_sequence"
```

## Pulling all the data from Player

```
Player = dbGetQuery(con,"SELECT * FROM Player")

head(Player)
```

```
##   id player_api_id       player_name player_fifa_api_id
## 1  1        505942 Aaron Appindangoye             218353
## 2  2        155782    Aaron Cresswell             189615
## 3  3        162549        Aaron Doran             186170
## 4  4         30572      Aaron Galindo             140161
## 5  5         23780       Aaron Hughes              17725
## 6  6         27316         Aaron Hunt             158138
##              birthday height weight
## 1 1992-02-29 00:00:00 182.88    187
## 2 1989-12-15 00:00:00 170.18    146
## 3 1991-05-13 00:00:00 170.18    163
## 4 1982-05-08 00:00:00 182.88    198
## 5 1979-11-08 00:00:00 182.88    154
## 6 1986-09-04 00:00:00 182.88    161
```

## Pulling all the data from Team

```
Team = dbGetQuery(con,"SELECT * FROM Team")

head(Team)
```

```
##   id team_api_id team_fifa_api_id      team_long_name team_short_name
## 1  1        9987              673            KRC Genk             GEN
## 2  2        9993              675         Beerschot AC             BAC
## 3  3       10000            15005   SV Zulte-Waregem             ZUL
## 4  4        9994             2007    Sporting Lokeren             LOK
## 5  5        9984             1750 KSV Cercle Brugge             CEB
## 6  6        8635              229       RSC Anderlecht             AND
```

## Saving data frames to .csv files

```
write.csv(Player,file = "player.csv",row.names = F)
write.csv(Team,file = "team.csv",row.names = F)
```