````
---
title: "HW04b"
author: "Steve Simon"
date: "Creation date: 2020-02-11"
output: pdf_document
---

Use the cigarettes database. This database has a single table, cigarettes with
information on

Tar, nicotine, and carbon monoxide levels (mg)
Weight of cigarette in grams
You can find a description of this data set at Journal of Statistics Education
website (Links to an external site.).

Q1. Find and print the records for cigarettes that have an ampersand (&) in
their name

```{r q1}
library(sqldf)
db <- dbConnect(SQLite(),
  dbname="../data/cigarettes_db.sqlite")
ampersand_data <- dbGetQuery(conn=db,
"select *
  from cigarettes_table
  where brand like '%&%'")
ampersand_data
```

Q2. Find and print the records for cigarettes that are a single word brand
name (no spaces)

```{r q2}
single_word_data <- dbGetQuery(conn=db,
"select *
  from cigarettes_table
  where brand not like '% %'")
single_word_data
dbDisconnect(conn=db)
```
````

HW04b

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Use the cigarettes database. This database has a single table, cigarettes with information on

Tar, nicotine, and carbon monoxide levels (mg) Weight of cigarette in grams You can find a description of this data set at Journal of Statistics Education website (Links to an external site.).

Q1. Find and print the records for cigarettes that have an ampersand (&) in their name

```
library(sqldf)
```

```
## Loading required package: gsubfn
```

```
## Loading required package: proto
```

```
## Loading required package: RSQLite
```

```
db <- dbConnect(SQLite(),
  dbname="../data/cigarettes_db.sqlite")
ampersand_data <- dbGetQuery(conn=db,
"select *
  from cigarettes_table
  where brand like '%&%'")
ampersand_data
```

```
##             brand  tar nicotine weight   co
## 1 Benson & Hedges 16.0     1.06 1.0938 16.6
## 2           L & M 14.9     1.02 0.8858 15.4
```

Q2. Find and print the records for cigarettes that are a single word brand name (no spaces)

```
single_word_data <- dbGetQuery(conn=db,
"select *
  from cigarettes_table
  where brand not like '% %'")
single_word_data
```

```
##           brand  tar nicotine weight   co
## 1        Alpine 14.1     0.86 0.9853 13.6
## 2       Carlton  4.1     0.40 0.9462  5.4
## 3  Chesterfield 15.0     1.04 0.8885 15.0
## 4          Kent 12.4     0.95 0.9225 12.3
## 5          Kool 16.6     1.12 0.9372 16.3
## 6      Marlboro 15.1     0.90 0.9316 14.4
## 7         Merit  7.8     0.57 0.9705 10.0
## 8           Now  1.0     0.13 0.7851  1.5
## 9       Raleigh 15.8     0.96 0.9573 17.5
## 10     Tareyton 14.5     1.01 1.0070 15.9
## 11         True  7.3     0.61 0.9806  8.5
```

```
dbDisconnect(conn=db)
```