Homework02a

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Note: these solutions uses R and SQLite. An alternate solution using SAS and Oracle is also available.

Use the database crawling_db. Refer to the page "Data used in this module" for a description of the data and where you can download it. Oracle users do not need to download anything.

1. Read all three fields and all records
2. Change Temperature to Temperature_F
3. Put your code and the output in a single PDF file

Note: Some of the names used in this code are arbitrary and you can choose whatever names you want. To emphasize which names can be modified at your discretion, I am using names of famous statisticians.

The statistician being honored in this code is William Edwards Deming.

```
library(sqldf)
```

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

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

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

```
deming <- dbConnect(SQLite(),
  dbname="../data/crawling_db.sqlite")

edwards <- dbGetQuery(conn=deming, "
    select
      Birth_month,
      Temperature as Temperature_F,
      avg_crawling_age
      from crawling_table
")

edwards
```

```
##    Birth_month Temperature_F avg_crawling_age
## 1      January            66            29.84
## 2     February            73            30.52
## 3        March            72            29.70
## 4        April            63            31.84
## 5          May            52            28.58
## 6         June            39            31.44
## 7         July            33            33.64
## 8       August            30            32.82
## 9    September            33            33.83
## 10     October            37            33.35
## 11    November            48            33.38
```

```
## 12    December            57            32.32
```

```
dbDisconnect(conn=deming)
```