

Problem1

Yufei Yin

Question 1a, (3 points):

What are the column names of the data table 'zip' in the lab02.sqlite database?

```
names(dbReadTable(dbcon, "zip"))
```

```
## [1] "zip_code" "latitude" "longitude" "city" "state" "county"
```

Question 1b, (3 points):

What are the last 5 records in the data table 'CA'? You can use the commands 'head' and 'tail' to print the first or last resp. records of a data table.

```
tail(dbReadTable(dbcon, "CA"), n = 5)
```

```
##      ID Country Geographic_name      Region      Province
## 1636 1636      CA              S9V      Lloydminster Saskatchewan
## 1637 1637      CA              S9X      Meadow Lake Saskatchewan
## 1638 1638      CA              Y0A Southeastern Yukon (Watson Lake)      Yukon
## 1639 1639      CA              Y0B      Central Yukon (Dawson City)      Yukon
## 1640 1640      CA              Y1A      Whitehorse      Yukon
##      Prov_acr Latitude Longitude Region_Index
## 1636      SK  53.2835 -110.0016              4
## 1637      SK  54.1335 -108.4347              4
## 1638      YT  61.5793 -131.1481              NA
## 1639      YT  64.6450 -137.5360              NA
## 1640      YT  60.7161 -135.0537              4
```

Question 1c, (3 points):

What are the last 3 records of the data table 'POP2011'?

```
tail(dbReadTable(dbcon, "POP2011"), n = 3)
```

```
##      Geographic_name
## 1635      Y0A
## 1636      Y0B
## 1637      Y1A
##      Incompletely_enumerated_Indian_reserves_and_Indian_settlements__2011
## 1635      NA
## 1636      NA
## 1637      NA
##      Population__2011 Total_private_dwellings__2011
## 1635      1758      1090
## 1636      6538      4282
```

```
## 1637          25601          10887
##      Private_dwellings_occupied_by_usual_residents__2011
## 1635          782
## 1636          3028
## 1637          10307
```

Question 1d, (3 points):

How many records are in the data table 'POP2006'?

```
dim(dbReadTable(dbcon, "POP2006"))[1]
```

```
## [1] 1624
```