Data-540-Lab-4

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Part 1 to 3

```
con_region <- mongo(collection = "region", db = "data540",
    url = "mongodb+srv://data540:data540@cluster0.kevs3bk.mongodb.net/data540")

sort_order <- '{"r_regionkey": 1}'
count_region_rows <- con_region$count()
print("Number of Records: ")
```

```
## [1] "Number of Records: "
```

```
print(count_region_rows)
```

```
## [1] 5
```

```
rows <- con_region$find(sort=sort_order)
print(rows)
```

```
##   r_regionkey      r_name
## 1           0      AFRICA
## 2           1     AMERICA
## 3           2        ASIA
## 4           3      EUROPE
## 5           4 MIDDLE EAST
##
## 1                                                       xSx31zz31Cl1z4OAnmm05AjiOxC3AMMNOgCOkACgwngg3glP7L
## 2 kgyh3LSnC72k6zlAzOLP3k2L4QB1QL1O673Oj01SPj0ngQ7CO1OOSBgmgRQ4lgPCMk21A425iklyAR4yBRAwR4Cm5miNw 4jl1
## 3 NSg6xlMlA1lzm6mOROAjx nhRA77NgRxBwL1M6Py RjySB3RLwkyPkwMM2R1BQ xAzkOgkjmllOgAghinP5inmNmR76MlijMS3
## 4   zlSL7Qwg12hMBL5lhlz0M45QkjShwSyiOO4MLOh7wn1ARLQPyPAyAiil576l1Li7AlnR1S RQ4SLny7B2Ryj5P66MLhn Nxhw
## 5                                                       RllxmhPLz3Cy2mNlg4QMBnNASM ACk
```

```
con_region$disconnect()
```

Part 4 to 5

```r
con_nation <- mongo(collection = "nation", db = "data540",
  url = "mongodb+srv://data540:data540@cluster0.kevs3bk.mongodb.net/data540")

projection <- '{"n_nationkey": 1, "n_name": 1}'
query_condition <- '{"n_nationkey": {"$lt":10}}'
sort_order <- '{"n_nationkey": 1}'
rows <- con_nation$find(query_condition, fields=projection, sort=sort_order)

print(rows)
```

```
##                          _id n_nationkey    n_name
## 1   636ec81a36ec44635b62e2df           0   ALGERIA
## 2   636ec81a36ec44635b62e2e0           1 ARGENTINA
## 3   636ec81a36ec44635b62e2e1           2    BRAZIL
## 4   636ec81a36ec44635b62e2e2           3    CANADA
## 5   636ec81a36ec44635b62e2e3           4     EGYPT
## 6   636ec81a36ec44635b62e2e4           5  ETHIOPIA
## 7   636ec81a36ec44635b62e2e5           6    FRANCE
## 8   636ec81a36ec44635b62e2e6           7   GERMANY
## 9   636ec81a36ec44635b62e2e7           8     INDIA
## 10  636ec81a36ec44635b62e2e8           9 INDONESIA
```

```r
con_nation$disconnect()
```