Exercise 02

Read the airport data from airports.text.
Each row of the input file contains the following columns:
Airport ID, Name of airport, Main city served by airport, Country where airport is located, IATA/FAA code, ICAO Code, Latitude, Longitude, Altitude, Timezone, DST, Timezone in Olson format

01. Calculate the #ofAirports located in Ireland

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Sample Output:
      countOfAirportsInIreLand: 50
```

02. List all the airports whose latitude are greater than 40
    a. Count the #ofAirports whose latitude are greater than 40

```
Sample Output:
      countLatitudeGreaterThan40: 3500
```

    b. Then output the airport's name and the airport's latitude to "airports_by_latitude.text"

```
Sample Output:
      "Narsarsuaq" : 61.160517
      "Nuuk" : 64.190922
      "Sondre Stromfjord" : 67.016969
      "Thule Air Base" : 76.531203
```

03. Find all the airports which are located in the United States and output the airport's name and the city's name to file "airports_in_usa.text"

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Sample Output:
      "Cuyahoga County" : "Richmond Heights"
      "Mansfield Lahm Regional" : "Mansfield"
      "Columbus Metropolitan Airport" : "Columbus"
      "Lawton-Fort Sill Regional Airport" : "Lawton"
      "Fort Collins Loveland Muni" : "Fort Collins"
```

04. List of the names of the airports located in each country

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Sample output:
    "Canada", List("Bagotville", "Montreal", "Coronation", ...)
    "Norway" : List("Vigra", "Andenes", "Alta", "Bomoen",
"Bronnoy",..)
    "American Samoa" : List("Pago Pago Intl", "Fitiuta Airport",
"Ofu Airport")
    "Christmas Island" : List("Christmas Island")
```