GIS Project Requirements

*Using the datasets "countries", "populated places", "roads", "airports" & "ports"
(Attached in the same folder)

*Please note there will be **individual assessment** during discussion

1) List all data we're working with and show them on ArcMap
2) Create a shapefile for countries that have "military" airports + Print them in Pycharm
3) Create a shapefile for roads in "Asia" continent + Print their number in Pycharm
4) Create a shapefile for ports in countries (Italy, Spain, France)
5) Create a shapefile for all Arabic cities using 2 methods
    - Multiple Selections
    - If Condition
6) Using Search Cursor print the name, location & wikipedia for all airports which are major
7) Using Search Cursor create shapefiles for roads in countries based on (FID & Sovereignty) condition that region is "Africa" & population > 25 million
    Let files names be in the format of "Roads_in_CountryName_CountryIncome"
8) Create a tool implementing requirement no. 7 (Above requirement) adding Log Messages
9) Create a tool to update empty ports website to any other website, adding Log Messages
10) Create a tool to update population of countries that their population year is < 2019, adding Log Messages + Print which countries have been updated
11) Print name & type of cities fields
12) Using Update Cursor for multiple fields, update empty or "zero" fields that are not of string datatype in cities
13) Print full path for a bunch of images
14) Print exif Tags for these images
15) Print GPS Tags/Info for each image indicating which is geotagged & which is not
16) Print latitude & longitude for each geotagged image