Project Description for Amateur Radio adif log to kml → jms_code @ github.com

Author: Mike Sanchez (KM2B)

        Create a robust, stand alone, python- based capability to generate a kml file that can be used at Google Earth or Google Maps to visualize Amateur Radio contacts exported from a logging software in a standard adif format file.

Code Location for Access:
https://github.com/mikekm2b/jms_code/tree/master/kml_scripts

Example Use Cases:
1. Amateur Op completes a contest and desires to visualize, in google earth, his contacts for that contest.

2. Amateur Op desires to visualize contacts, in google earth, made in the year 2019 from his/her logbook.

Project Code Type:
        Python

Project Files:
        function_km2b_adif_2_kml_PointsLines.py
The driver function invoked to generate the kml file for use at google earth/google maps.

        OK4BX_adif.py
The dependency function utilized to parse an adif into a python dictionary for subsequent use.

        grid6_longlat.py
The dependency function utilized to convert a six character maidenhead grid square into Longitude and Latitude coordinates.   Six character grid squares are commonly exported for CW and SSB contacts that are generated during lookup from various logging software.

        grid4_longlat.py
The dependency function utilized to convert a four character maidenhead grid square into Longitude and Latitude coordinates.   Four character grid squares are logged by wsjt-x FT-8 and FT-4 software. Most logs today have a mix of four and six character grid squares associated with contacts in a log.
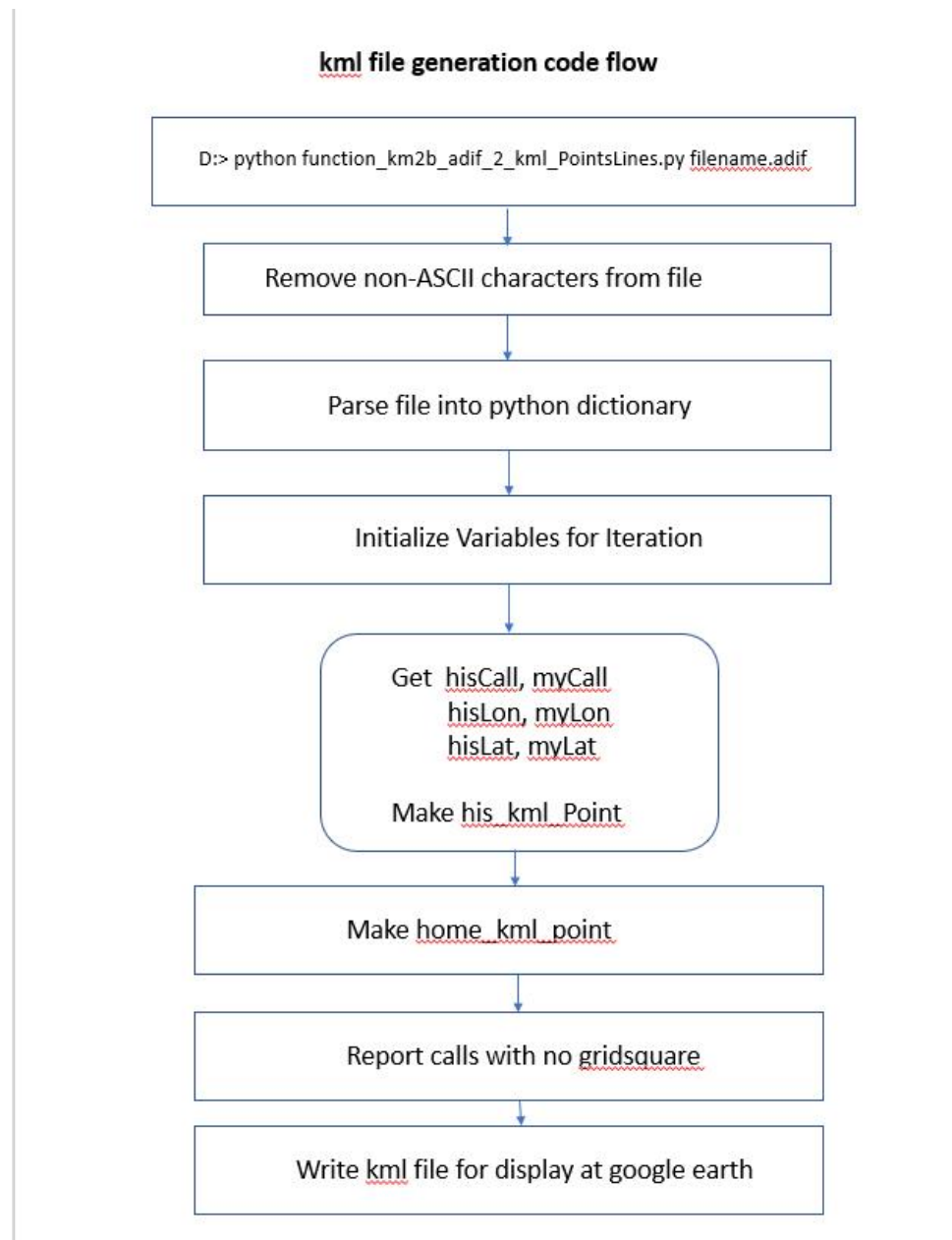
Code Usage/How to make a .kml file from an adif format log

        To generate a .kml file that can be utilized at google earth/google maps:

In a directory containing all project files at github, in a Windows cmd shell type:
D:\directory\> python function_km2b_adif_2_kml_PointsLines.py filename.ADI
High Level Code Flow of function_km2b_adif_2_kml_PointsLines.py

kml file generation code flow

```
D:> python function_km2b_adif_2_kml_PointsLines.py filename.adif
```

Remove non-ASCII characters from file

Parse file into python dictionary

Initialize Variables for Iteration

Get hisCall, myCall
hisLon, myLon
hisLat, myLat

Make his_kml_Point

Make home_kml_point

Report calls with no gridsquare

Write kml file for display at google earth

Next page

Example of kml file use at Google earth.
Once the file is created in the directory, assuming google earth is installed on your computer either:

1. Double click on the file and google earth will open with the contacts shown.
2. Launch google earth and select file -> Import and select the kml file from the directory.