Read Me

audit.py - cleans the .osm file "interpreter.osm" using the custom helper functions is_problem and is_phone. First it determines
a problem tag attribute then applies the custom helper function fix_problem and a custom mapping to replace the problem tag attribute or in the case of a phone number, applies the custom helper function format_phone to recursively re-format the problem tag attribute.

data.py - this function converts a cleaned .osm file to a series of .csv files: nodes.csv, nodes_tags.csv, ways.csv, ways_nodes.csv, and ways_tags.csv. It utilizes the function shape_element which converts the node or way XML element to a Python dictionary. It's main function uses the helper functions get_element and validate_element as well as UnicodeDictWriter to actually write the output file.

schema.py - this function serves as a template for the validate_element helper function in data.py which raises an exception if the data does not conform to the mandated format.