

## Python Proficiency Assessment

### Overview:

This is an assessment of your general proficiency with the python language. This assessment will test understanding and implementation of basic programming knowledge. Provided in this zip file are the following:

- Instructions on installing QGIS and using QGIS.
- A geo package including all required data.
- A zip file including the prebuilt plugin.
- Template Excel macro enabled file.

### Objective:

To create a plugin that exports the layer data into an existing excel file.

Please have the plugin be able to:

- Export only Data from a specified boundary layer.
  - o FSA 101
- Export only the specified layers.
  - o Assessment Cables
  - o Assessment Strand
  - o Assessment Splices
  - o Assessment Terminals
- Create a new sheet for each layer within the excel file.
  - o Please include geolocation data for each feature
- Save a new copy of the template with the imported data on it.

Add code to:

- Excel\_Data\_Exporter.py

If you wish to make changes to the UI add code to:

- Excel\_Data\_Exporter\_dialog.py

### Submission:

Please submit the plugin zip file and an example of the template that it exports for review.