## Utilizing Python for Test Data Handling

Setting up Python

Here's how to set up Python on Windows:

1. Download Python:
   1. Visit the official Python website at python.org. You'll see the latest versions of Python available for download. Choose the one that best fits your needs. As of my last knowledge update in January 2022, Python 3 is recommended. Click on the download link for the version you selected.
2. Run the Installer:
   1. After downloading the installer, run the executable file (e.g., python-3.x.x.exe), where 3.x.x is the version number you downloaded.
3. Add Python to PATH (Recommended):
   1. On the customization screen, make sure to check the box that says, "Add Python to PATH." This makes it easier to run Python from the command line.
4. Install Python:
   1. Click "Install Now" to start the installation.
   2. Wait for Installation to Finish: The installer will copy Python files to your system. This process might take a few minutes.
5. Verification:
   1. Open a Command Prompt (CMD) or PowerShell window and type python --version to confirm that Python is installed and see the installed version.
6. Running the scripts:
   1. Put the input files in the same directory (input file + script)
   2. Run using, python formatjsonfiles.py

Scenarios

1. Convert CSV file into JSON File.
   1. When we have a CSV file like this. (Figure 1), To meet the testing requirements, we can use Python to transform our CSV file data into JSON data. (Figure 2). To achieve this, we can make use of the following script: