

Python Advanced Pre-Work Rubric

Confirm that your project meets the following requirements:

Category	Does Not Meet Expectations	Meets Expectations	Exceeds Expectations
API Integration	Program fails to connect to the API, or the call is broken and does not run.	Program successfully fetches data from the chosen API using <code>requests</code> . URL and parameters are clearly organized.	API call is wrapped in a dedicated function. Query parameters are passed as arguments rather than hard-coded.
Data Transformation	JSON response is not parsed, or the program crashes when accessing data fields.	JSON response is parsed into a list of dictionaries with relevant fields extracted and accessible by key.	Transformation is in a dedicated function. <code>.get()</code> is used to handle missing keys without crashing.
CLI Tool	No user interaction — program just prints raw output with no input.	Accepts at least one form of user input and returns formatted results. At least one meaningful interaction (filter, lookup, or comparison) is implemented.	Multiple interaction modes available. Output is clearly formatted and easy to read. Unexpected input is handled without crashing.
Error Handling	No error handling — connection errors or bad data cause unhandled tracebacks.	<code>try/except</code> blocks catch connection errors and bad status codes. User sees a clear error message instead of a traceback.	Errors are caught at the right level of the code. Program continues or exits gracefully with a helpful message.
Code Organization	All logic is in one long script with no functions, or functions that do not use parameters and return values.	Logic is split into functions with clear names, parameters, and return values. Each function has a single responsibility.	Fetching, parsing, and display are cleanly separated. Code is readable without requiring comments to understand.
Version Control	Work is submitted in a single commit, or without a pull request.	Multiple commits show incremental progress. Work is submitted via pull request.	Commit messages are descriptive and reflect meaningful stages of development.