

Dependencies

You need these modules installed:

json, requests, os, sqlite3, dateutil, datetime, pytest (if testing)

Most are in the standard library I believe.

If you have pip you can `'pip install {}'.format(package_name)`

Directions for use:

1. Store `weather_moonphase.py`, `timetools.py`, and `moonphase_utils.py` somewhere you can import them.
2. Import the function into your python script or interactive session like so:
`from weather_moonphase import get_weather_and_moonphase`
3. Call `get_weather_and_moonphase` with a timestamp e.g. `'2018-02-01 12:00:00'`
`weather = get_weather_and_moonphase(timestamp, latitude, longitude)`

Returns a dictionary with keys: `['temperature_f', 'moonphase', 'numeric_moonphase', 'latitude', 'longitude', 'timestamp']` corresponding to your request.

Testing:

If you wish to run the tests, you can simply enter ``pytest`` in the terminal in the directory containing the source code and test scripts to run all of the tests, or you can specify a specific set of tests using the filename like so: ``pytest test_weather_moonphase.py``