**API TESTING**

**get\_location()**

**INPUT 1: P1L**

**INPUT 2: CA**

**OUTPUT**

{'coord': {'lon': -79.32, 'lat': 45.03}, 'weather': [{'id': 804, 'main': 'Clouds', 'description': 'overcast clouds', 'icon': '04d'}], 'base': 'stations', 'main': {'temp': 275.3, 'feels\_like': 271.65, 'temp\_min': 273.33, 'temp\_max': 275.3, 'pressure': 1021, 'humidity': 65, 'sea\_level': 1021, 'grnd\_level': 992}, 'visibility': 10000, 'wind': {'speed': 3.78, 'deg': 158, 'gust': 6.29}, 'clouds': {'all': 100}, 'dt': 1669741775, 'sys': {'type': 2, 'id': 2002532, 'country': 'CA', 'sunrise': 1669725195, 'sunset': 1669757902}, 'timezone': -18000, 'id': 5907092, 'name': 'Bracebridge', 'cod': 200}  
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**Observations:** Canadian zip codes now working, prints accurate location and weather data.

**get\_location()**

**INPUT 1: 47390**

**INPUT 2: FR**

**OUTPUT**

{'coord': {'lon': 0.66, 'lat': 44.13}, 'weather': [{'id': 803, 'main': 'Clouds', 'description': 'broken clouds', 'icon': '04n'}], 'base': 'stations', 'main': {'temp': 282.05, 'feels\_like': 280.62, 'temp\_min': 281.79, 'temp\_max': 284.01, 'pressure': 1020, 'humidity': 87}, 'visibility': 10000, 'wind': {'speed': 2.57, 'deg': 10}, 'clouds': {'all': 75}, 'dt': 1669742006, 'sys': {'type': 1, 'id': 6455, 'country': 'FR', 'sunrise': 1669705809, 'sunset': 1669738888}, 'timezone': 3600, 'id': 3005401, 'name': 'Layrac', 'cod': 200}

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Observations: French zip code returning accurate location and weather data.

**Investigation**

The outstanding issues above from Phase 1 code above were resolved by inputting the proper Country Code abbreviation length as 2 characters instead of three i.e.: FR vs FRA.

**get\_location\_city()**

**OUTPUT**

Traceback (most recent call last):  
 File   
"D:/Documents/PyCharmProj/WeatherAPIs.py", line 103, in <module>  
main()  
File "D:/Documents/PyCharmProj/WeatherAPIs.py", line 99, in main  
get\_current\_forecast()  
File "D:/Documents/PyCharmProj/WeatherAPIs.py", line 55, in get\_current\_forecast  
build\_current\_api\_url = current\_api\_url + get\_location() + API\_SECRET  
NameError: name 'get\_location' is not defined

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Observations: Function requires get\_location(), functionality could be built into method.

**UNIT TESTING**

**ASSERTION TESTS**

Assertion tests were performed to the best of the tester’s ability. This framework will pave the way for automated testing to be performed further.

**test\_get\_location()  
test\_get\_city\_location()  
test\_get\_current\_forecast()  
test\_get\_hourly\_forecast()  
test\_get\_daily\_forecast()  
test\_get\_monthly\_forecast()**

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