

```
1 import requests
2 import json
3
4
5 def get_user_key():
6     try:
7         with open('.key_cache/weather_key.txt', 'r') as fin:
8             key = fin.read()
9     except FileNotFoundError:
10        print('User key not found. You can create an account here:
11        https://home.openweathermap.org/')
12        key = input('Please paste your key here: ')
13        with open('.key_cache/weather_key.txt', 'w') as fout:
14            fout.write(key)
15    return key
16
17 def weather_req_now(latlong):
18     lat = latlong[0]
19     lon = latlong[1]
20     key = get_user_key()
21
22     request_url = f'http://api.openweathermap.org/data/2.5/weather?lat
23     ={lat}&lon={lon}&appid={key}'
24
25     resp = requests.get(request_url)
26     resp.raise_for_status()
27
28     resp = json.dumps(resp.json())
29     resp = process_weather_response(resp)
30     return resp
31
32 def process_weather_response(resp):
33     resp = json.loads(resp)
34     output = {
35         'main': resp['weather'][0]['main'],
36         'temp_faren': (resp['main']['temp'] - 273.15) * 9/5 + 32,
37         'visibility': resp['visibility'],
38         'wind_speed': resp['wind']['speed'],
39         'clouds': resp['clouds']['all']
40     }
41     return output
42
```