

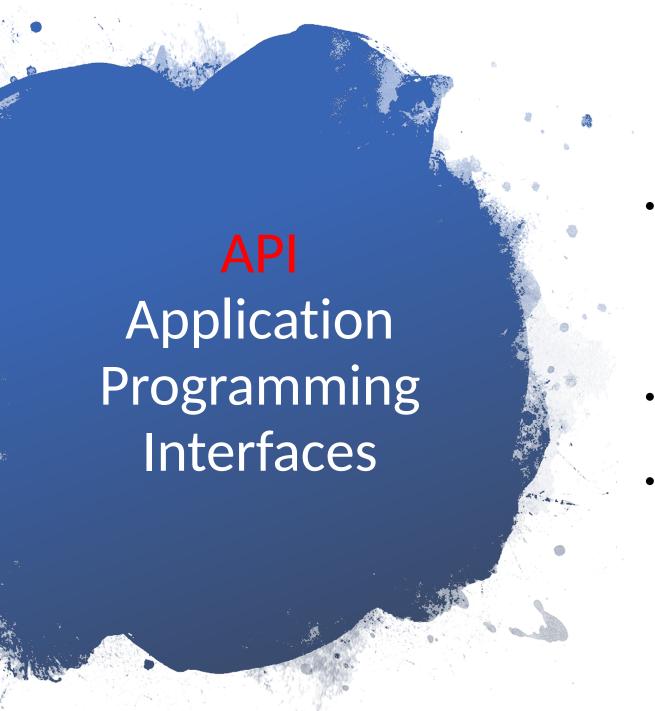
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We aspired to create a code that would prompt the user to provide a zip code, that in turn would return certain weather criteria.

A more ambitious idea, was to then generate an automated "notification" to certain specific individuals via either Gmail, WeChat, Facebook or other social media platforms.



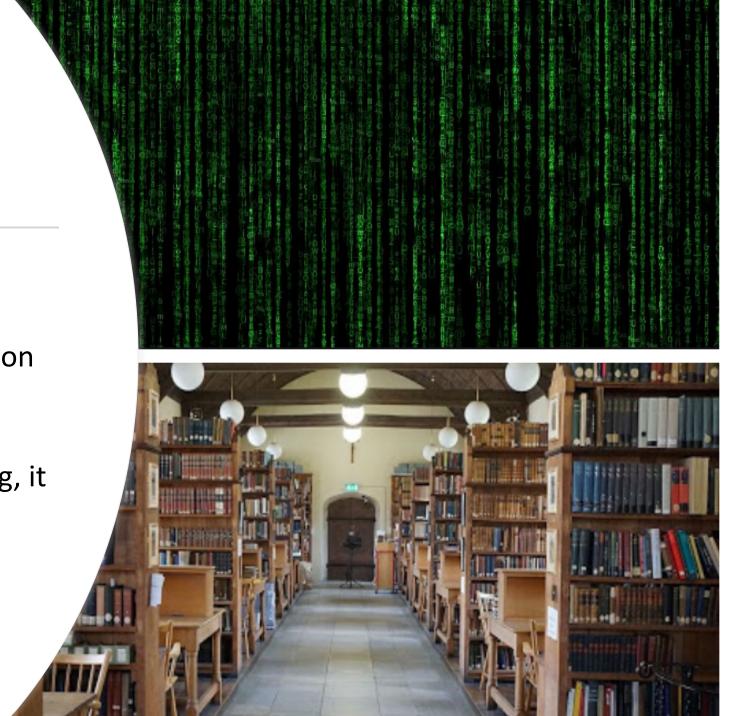


- API is used for software applications to send and receive data. API can also connect one program to another, to share functionality (Like the bridge between ATM and bank account)......
- An API key is a unique identifier used to connect to, or perform, an API call.
- RapidAPI: https://rapidapi.com/interzoid/api/us-weather-by-zip-code

Libraries

 Requests – A module used to, well..."request" certain information from a respective URL.

 Once the request is made to the URL (website) of our choosing, it will return the data in a 'JSON' format

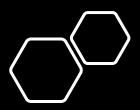


Libraries

 Json (JavaScript Object Notation) is a data-type (format) that works well with many API's

 Json is similar to a "savable" version of a dictionary





Pseudocode

- Import required modules (requests, json)
- Define the function weather
- Acquire an API key <u>Instructions here.</u>
- Use the "try and except" to for error handling.
- Use "while True" statement to create a loop so that for as long as the conditions above are met, the program will continue to run indefinitely

```
import requests
      ∆import json
 2
      def weather():
           try:
               url2 = "https://us-weather-by-zip-code.p.rapidapi.com/getweatherzipcode"
               headers2 = {
                   'x-rapidapi-host': "us-weather-by-zip-code.p.rapidapi.com",
                   'x-rapidapi-key': "cf4818eb5amshc6c673cb0b5a4e5p1a5d78jsn73a0d20bd5cf"
 8
10
               response2 = requests.request("GET", url2, headers=headers2, params=querystring)
               body2 = response2.json()
11
12
13
14
               return body2
15
           except:
16
                pass
17
       while True:
```

```
while True:
           zip_str = input("input zip: ")
18
           if zip_str:
19
               zip_number = int(zip_str)
20
               querystring = {"zip": zip_number}
21
               wea = weather()
22
               for w in wea:
23
                   print(w, '---', wea[w])
24
25
           else:
26
               break
```

Thank You!

