

Team ID	PNT2022TMID17220
Project Name	<u>Signs with Smart Connectivity for Better Road Safety</u>
Sprint	02

Python Code 04:

import requests as reqs

def get(myLocation,APIKEY):

 apiURL = f"https://api.openweathermap.org/data/2.5/weather?q={myLocation}&appid={APIKEY}"

 responseJSON = (reqs.get(apiURL)).json()

 returnObject = {

 "temperature" : responseJSON['main']['temp'] - 273.15,

 "weather" : [responseJSON['weather'][_]['main'].lower() for _ in
range(len(responseJSON['weather']))],

 "visibility" : responseJSON['visibility']/100, # visibility in percentage where 10km is 100% and
0km is 0%

 }

 if("rain" in responseJSON):

 returnObject["rain"] = [responseJSON["rain"][key] for key in responseJSON["rain"]]

 return(returnObject)

Footer