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| Date | 5 November 2022 |
| Team ID | PNT2022TMID18146 |
| Project Name | Project - Signs with Smart Connectivity for Better Road Safety |
| Maximum Marks | 4 Marks |

PYTHON CODE:

```
#python file
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)
```