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IBM-Project-ID	IBM-Project-15197-1659594818
Project Name	Signs with Smart Connectivity for Better road Safety

#

Python

code

```
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)
```