

API

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Collecting data from an API and storing it to the mySQL database

```
rohitsamuel@iot-mqtt-protocol:~/Tihor_IoT/Assignments$ python3 weatherAPI.py

Get weather update from API press 1

-----Raw Data-----
{'location': {'name': 'Kollam', 'region': 'Kerala', 'country': 'India', 'lat': 8.88, 'lon': 76.59, 'tz_id': 'Asia/Kolkata', 'localtime_epoch': 1687151869, 'localtime': '2023-06-19 10:47'}, 'current': {'last_updated_epoch': 1687151700, 'last_updated': '2023-06-19 10:45', 'temp_c': 28.2, 'temp_f': 82.8, 'is_day': 1, 'condition': {'text': 'Patchy rain possible', 'icon': '//cdn.weatherapi.com/weather/64x64/day/176.png', 'code': 1063}, 'wind_mph': 8.9, 'wind_kph': 14.4, 'wind_degree': 307, 'wind_dir': 'NW', 'pressure_mb': 1010.0, 'pressure_in': 29.83, 'precip_mm': 0.1, 'precip_in': 0.0, 'humidity': 76, 'cloud': 52, 'feelslike_c': 32.1, 'feelslike_f': 89.8, 'vis_km': 10.0, 'vis_miles': 6.0, 'uv': 6.0, 'gust_mph': 11.2, 'gust_kph': 18.0}}

-----Parsed-----
{
  "name": "Kollam",
  "region": "Kerala",
  "country": "India",
  "temperature_c": 28.2,
  "temperature_f": 82.8,
  "is_day": 1,
  "w_Condition": "Patchy rain possible",
  "wind_speed_mph": 8.9,
  "wind_speed_kph": 14.4,
  "humidity": 76
}

Data is stored to the database
```

SELECT * FROM `apiData` ORDER BY `ID` DESC

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

1 > >> ☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: idx_ID (DESC)

+ Options

	name	region	country	temperature_c	temperature_f	is_day	w_Condition	wind_speed_mph	wind_speed_kph	humidity	ID	time
<input type="checkbox"/> Edit Copy Delete	Kollam	Kerala	India	26.7	80.1	0	Moderate or heavy rain shower	8.7	14	86	328	NULL
<input type="checkbox"/> Edit Copy Delete	Kollam	Kerala	India	26.7	80.1	0	Moderate or heavy rain shower	8.7	14	86	327	NULL
<input type="checkbox"/> Edit Copy Delete	Kollam	Kerala	India	26.7	80.1	0	Moderate or heavy rain shower	8.7	14	86	326	NULL
<input type="checkbox"/> Edit Copy Delete	Kollam	Kerala	India	26.7	80.1	0	Moderate or heavy rain shower	8.7	14	86	325	NULL
<input type="checkbox"/> Edit Copy Delete	Kollam	Kerala	India	26.7	80.1	0	Moderate or heavy rain shower	8.7	14	86	324	NULL

☒ Console Bookmarks Options History Clear



Welcome.... Kindly use one of the APIs to get data

Getting API data from the database and using external IP display data on browser

```
{
  "Data": [
    {
      "ID": 328,
      "country": "India",
      "humidity": 86.0,
      "is_day": 0,
      "name": "Kollam",
      "region": "Kerala",
      "temperature_c": 26.7,
      "temperature_f": 80.1,
      "time": null,
      "w_Condition": "Moderate or heavy rain shower",
      "wind_speed_kph": 14.0,
      "wind_speed_mph": 8.7
    },
    {
      "ID": 327,
      "country": "India",
      "humidity": 86.0,
      "is_day": 0,
      "name": "Kollam",
      "region": "Kerala",
      "temperature_c": 26.7,
      "temperature_f": 80.1,
      "time": null,
      "w_Condition": "Moderate or heavy rain shower",
      "wind_speed_kph": 14.0,
      "wind_speed_mph": 8.7
    },
    {
      "ID": 326,
      "country": "India",
      "humidity": 86.0,
      "is_day": 0,
      "name": "Kollam",
      "region": "Kerala",
      "temperature_c": 26.7,
      "temperature_f": 80.1,
      "time": null,
      "w_Condition": "Moderate or heavy rain shower",
      "wind_speed_kph": 14.0,
      "wind_speed_mph": 8.7
    },
  ],
}
```