



TOMMORROW HOTTEST WEATHER FORECAST

- BY ANUPAM MISHRA

Open Source API used:-

- ▶ OpenWeather.co.uk
- ▶ Simple, fast, and utterly convenient APIs for developers
- ▶ Current weather, historical weather and forecast
- ▶ Data are available for any geolocation
- ▶ Data sources are NOAA, Canadian Environment, and raw data from weather stations
- ▶ Open for integration of other data sources
- ▶ <https://openweathermap.com>

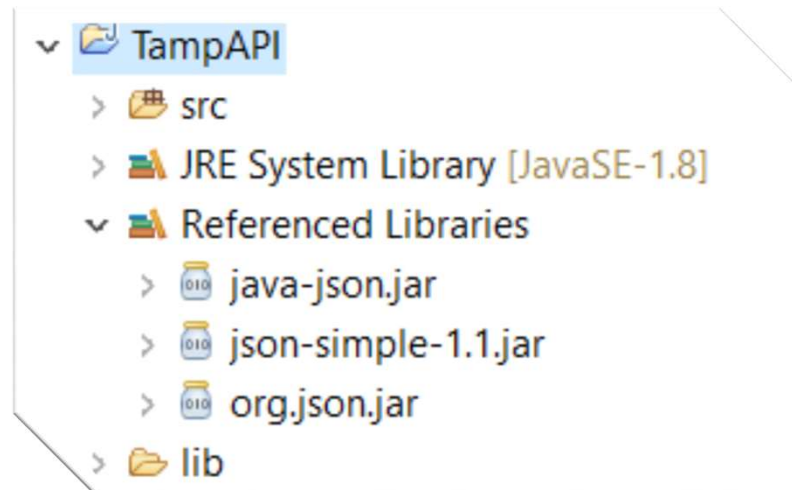


My API functions

- ▶ `getCityCode(String city_name)`- checks if entered city exists and returns City Code of city entered by user if exist;
- ▶ `getNextDayDate()`- returns next day date
- ▶ `getMaxTemp(String city_id or city_name)`:- returns max temperature in given city for whole day.
- ▶ `getMaxTemp(String city_id or city_name, int from_time, to_time)`:- returns max temperature in given city and time.
- ▶ Note:- from_time and to_time are only hours from 0-23

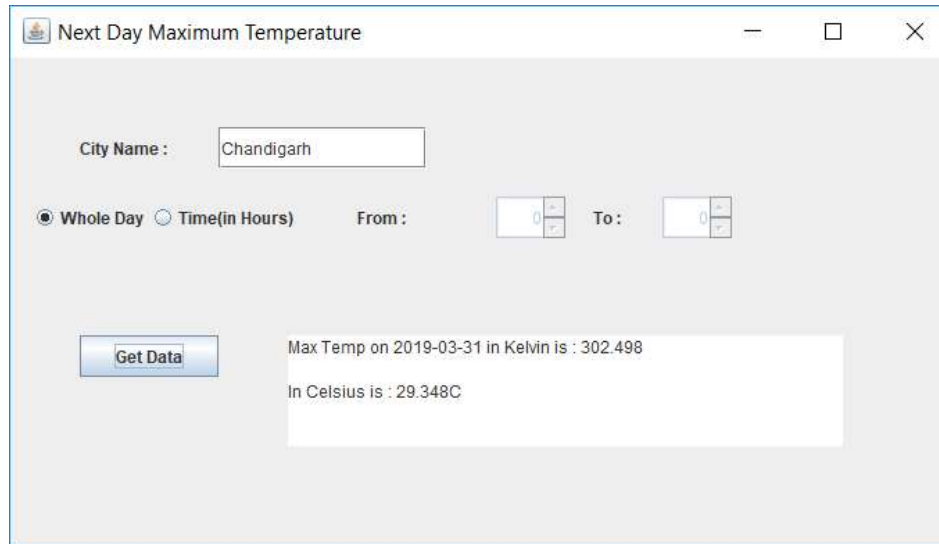
Jar File used:-

- ▶ Jdk1.8
- ▶ java-json.jar
- ▶ org.json.jar
- ▶ json-simple-1.1.jar
- ▶ Note:- all jar file exist in lib folder



External file or DB

- ▶ citylist.json :- JSON file that contains bulk data from OpenWeather API.
- ▶ This file gives list of all cities and its related detail



Next Day Maximum Temperature

City Name :

☒ Whole Day ☐ Time(in Hours) From : To :

Max Temp on 2019-03-31 in Kelvin is : 302.498
In Celsius is : 29.348C

References

- ▶ <https://openweathermap.org/api>
- ▶ <https://www.javatpoint.com>
- ▶ <https://www.tutorialspoint.com>
- ▶ <https://stackoverflow.com>

