**CODING EXERCISE**

**1.** Create a restful api for user registration with following fields

* Name
* Email
* Pincode

On successful registration UserId will be generated.

**2.** Create a restful api to get login for registered user.

* Call login api with UserId
* Send login link (http-link) to his registered email.
* Login-link expires in 15 min.

**3.** User opens given login-link. If login-link is valid and not expired. Show user details.

* Name
* Email
* Pincode

You can just represent data as JSON.

**Following [4, 5, 6] are optional, If you like to do. We are happy.**

**4.** Create a restful api to get current temperature by pincode

* Use <https://openweathermap.org/current> api
* Save temperature-info into database.
* If temperature-info already exist in database and it is less than 30-sec old. Then give saved-value else refresh data (call open-weather api) then return new value.

**5.** As in step 3, Instead of showing user details. Redirect user to show current-temperature for his/her pincode (saved at registration time).

**6.** Write a schedule which updates temperature-info in database every minute for all saved records older more than 1 minute.

**Instructions**

* Use whatever technology/framework suits for above requirement. But restrict to JAVA.
* Follow best practice to design/architect and coding.
* Code for all required components of app needed to fulfill above usecase. Don’t skip any important code segment.
* Also mention the tools you used for this exercise.

**Sharing Your Exercise**

* Push your code to any git public repository (github/gitlab).
* Send us repo URL at [akash.jain@coveiot.com](mailto:akash.jain@clovewearable.com)
* Any query, call +91-9880122075 or mail at [akash.jain@coveiot.com](mailto:akash.jain@clovewearable.com)