Instructions

The solution has been developed using R. Below are the instructions to execute the code -

1. **Go to github URL** [**https://github.com/amita8pec/amita\_getweather**](https://github.com/amita8pec/amita_getweather)
2. Running the code
3. **Execute getweather.R**

The program takes values of Station\_ID (IATA code) and date in “YYYY-MM-DD H:M” format and generates weather report for the same. Example – for Station\_ID = MMK and date = "2017-10-06 22:12" , values can be provided as follows-

Station\_ID <- as.character("MMK")

mydate <- "2017-10-06 22:12"

1. Testing
2. **Execute test.R**
3. File “test\_stationid\_time.txt” (available in the github repository) contains Station\_id along with corresponding timestamp for which the data is to be extracted. For the convenience of testing, the script has been developed to pick up value of station number randomly and generate weather report for the same.
4. File “test\_stationid\_time.txt” can be modified to do test for additional Station\_Id by adding the corresponding IATA code and Timestamp for which the weather information is needed
5. Extract for testing done on sample of 6 IATA codes is stored in SampleWeather\_Report.csv.