DASHBOARD CHALLENGE

SCENARIO

We have an API which contains weather data from Dates 01 Jan 2023 to 10 Jan 2023. Your task is to process this data set and display them in charts.

GOAL

The goal of this exercise is to create an application which can display the data in the following chart formats.

- A column chart for relative humidity (relativehumidity_2m)
- A line chart for temperature min and temperature max (temperature_2m_max, temperature_2m_min)
- An area chart for direct radiation (direct_radiation)

The application should be written in Angular (Preferred) OR React with Typescript.

REQUIREMENTS

- Retrieve data from API: https://api.open-meteo.com/v1/forecast?latitude=1.29&longitude=103.85&hourly=relativehumidity_2m,direct_radiation&daily=temperature_2m_max,temperature_2m_min&timezone=Asia%2FSingapore&start_date=2023-10-01&end_date=2023-10-10
- Single page application
- Shows all 3 types of charts
- Simple dashboard look and feel

Feel free to use any libraries required.

* Bonus if you can:
  o Store the data in a local SQL database and read from the database in the absence of internet access.
  o Responsive design (Works on both desktop and mobile view)

RETURNING THE RESULTS

Zip the directory and send it to the email address you received the assignment from.

Results are required to be sent back within **14 days** from receiving this challenge.