Cloud Native HW2
資工所碩一 梁正 R13922213

1. **Github Repository Link**
   2025-Spring-CloudNative/cloud_native_hw2: hw2

2. **Execution Evironment**
   - NodeJS v20.15.1
   - TypeScript v5.6.2

3. **Library**
   - express
   - jest
   - ts-jest
   - nodemon
   - concurrently

4. **Repo Overview**

   In this repo, I implemented a basic express server under the src folder that accepts a POST request at endpoint http://localhost:4000/sum, which calls a math service to handle the summation of the array passed by the user in the request body.

   I wrote a unit test specifically for the function that takes care of the addition of two numbers, and also uses Github Action for CI testing on every push and pull request. There are two branches, hw-p and hw-f, that update the unit test and math service, respectively. Branch hw-p passes the unit test and the CI, while hw-f fails the unit test and CI due to wrong addition logic, as shown in the pull request page.

   I also setup the issue template for bug report, as shown in the issue page.
   In order to run the server, refer to README.md for further instructions.