Task#3

Parallel Calculator

Implement a calculator that evaluates given mathematical expression in parallel.

Requirements:
- The code MUST be version controlled

- The microservice MUST be implemented in Scala, Akka

- The microservice MUST be implemented in Functional Style

- The microservice MUST handle the input via HTTP and respond with the evaluated result or validation error.

- Supported operations:
  - **+** - addition
  - **-** - subtraction
  - **/** - division
  - __*__ - multiplication
  - **(** - left parenthesis
  - **)** - right parenthesis

Example:

```
$ curl -H "Content-Type: application/json" \ -X POST \
    -d ' {"expression":"(1-1)*2+3*(1-3+4)+10/2"} ' \
    http://localhost:5555/evaluate
```

```
{"result": 11}
```

Please, send back a Github link to the repository. The repository name should be "test-app".