

It has been a pleasure to meet you. Following our discussion, please find below your home assignment:

1. Create a local REDIS server on your machine (See <https://redis.io/topics/quickstart> for the basic guidelines).

2. Create a Python Application based on REST API that communicates with the local REDIS server and meets the following requirements:

- Be able to publish new messages to the REDIS server using a REST API POST request.
- Should be named “**publish**”.
- Should contain a “**content**” field with the new message content.
- Be able to retrieve the last message that was on the REDIS server using a REST API GET request.
- Should be named “**getLast**”.
- Be able to retrieve all messages that were on the REDIS and occurred between two given timestamps using a REST API GET request.
- Should be named “**getByTime**”.
- Should contain two parameters named “**start**” and “**end**” .

3. Create a new Git Repository and push your solution to this repository.

- The repository should contain a README file with explanations on how to run and execute your work.

4. Extra points #1:

- Wrap your solution with a Docker container –
- You can use docker-compose and separate between the Redis server and your Java application.

5. Extra points #2:

- Use TDD methodologies as part of your solution
- Pay attention:
 - You should not:
 - - Copy a solution from an external resource. If we find the solution adequate, you'll need to defend it.

- We will evaluate:
 - Efficiency of your implementation
 - Code quality
 - Usage of OOP
 - Your abilities to defend the solution
- Assignment submission should include a link to the git repository with your code and instructions on how to run it.

If you have any questions regarding the work feel free to send me an email and I will try to answer as soon as possible. Good Luck!