

# PYTHON SOFTWARE ENGINEER CHALLENGE

In this challenge you are going to implement a small Thrift service that runs in a docker container and can be called from an external client. You can find a thrift file in this ZIP-Archive that describes a very simple calculator service with methods for multiplying and summing up integers.

The tasks are the following:

- Generate Python classes for client and server based on the provided thrift file
- Implement the server methods to return the output of the multiply and add method
- Implement a client that calls the methods of the service over RPC
- Build a docker container that runs the server side of this service. It should expose a port for testing it with your client.

We are going to discuss the following questions:

- Imagine we want to support that this calculator service can also multiply and add double values. How can we extend the Thrift interface to support also different numeric types?
- How can we test the calculator service and the container?