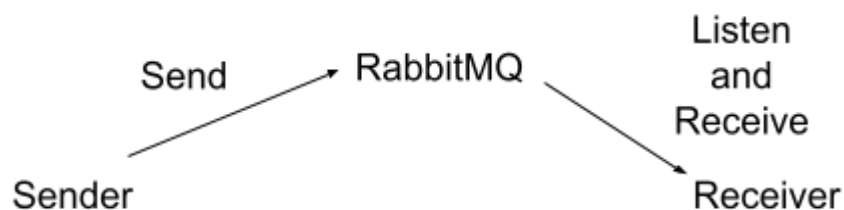


Design:

- RabbitMQ message broker to act as a channel of communication and receiver
- Receiver that work asynchronously on two different tasks:
 - Receiving the sent temperature and parse it value
 - Print the calculations every 5 seconds
- Sender that sends a new temperature every second to test if the receiver works as expected and can handle a new message each 1 second



Implementation Choices:

- Language: C++
- RabbitMQ an open source message broker
- AMQP-CPP, a C++ RabbitMQ client
- ev library to handle asynchronous tasks in C++