

Activity 3

AMQP Protocol

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Activity 3

- **Exercise 1**

- For source code, please check file **temperature.py** in the uploaded zip file.
- For result log, please check file **act3exerc1.txt** in the uploaded zip file.

- **Exercise 2**

- For the source code, please check files **temp_amqp.py** and **consumer_temp.py** in the uploaded zip file.

- **Exercise 3**

- For the source code, please check files **temp_amqp.py**, **touch_amqp.py**, **consumer_temp.py** and **consumer_touch.py** in the uploaded zip file.

Activity 3, Exercise 3

- The touch sensor code publishes data based on activation event.
- The temperature sensor code publishes periodic data based on time/delay settings.
- It was decided to use two producer and two consumers because:
 - Both touch and temperature producers work on different threads on the operating system for better dealing with different events (activation and continuous)
 - For simplifying the code on the consumer side, two applications were developed for treating published data from sensors.