1. In order to create a 3 node Apache Kafka cluster with a zookeeper node, the following docker-compose.yml should be created in the folder (see github link for content).

Reference used: <https://www.baeldung.com/ops/kafka-docker-setup>

1. In order to start up the nodes, run ` docker-compose -f "docker-compose.yml" up -d `
2. For the creation of a publisher and subscriber, I will be using the `confluent-kafka` python library.  
     
   Ensure confluent-kafka is installed in your python installation.  
     
   Reference used: https://docs.confluent.io/kafka-clients/python/current/overview.html#ak-producer
3. Starting up the publisher