

Terminal 1 (write):

```
zorya@zorya-virtual-machine:~/Documents/BigData/HW7/kafka_write$ bash ../run-cluster.sh
5c82d8dd8ba7c59771140768f029f014f45143d18b810de01cf49057218862e4d
c801b0aa757b6446d469905ee6e9eb50e60c5bdfef4ff8de625fbc67bad1a9
fcfadae4db476a5f5a2f977fbd7dc9e0732e26ad89bac24befebacbe2eb156
zorya@zorya-virtual-machine:~/Documents/BigData/HW7/kafka_write$ docker ps
CONTAINER ID   IMAGE                COMMAND                  CREATED        STATUS        PORTS                    NAMES
fcfadae4db47  bitnami/kafka:latest  "/opt/bitnami/script..." 3 seconds ago  Up 2 seconds  9092/tcp                kafka-server
c801b0aa7570  bitnami/zookeeper:latest "/opt/bitnami/script..." 3 seconds ago  Up 2 seconds  2181/tcp, 2888/tcp, 3888/tcp, 8080/tcp  zookeeper-server
zorya@zorya-virtual-machine:~/Documents/BigData/HW7/kafka_write$ bash ../create-topic.sh
kafka 13:37:02.27
kafka 13:37:02.27 Welcome to the Bitnami kafka container
kafka 13:37:02.27 Subscribe to project updates by watching https://github.com/bitnami/bitnami-docker-kafka
kafka 13:37:02.27 Submit issues and feature requests at https://github.com/bitnami/bitnami-docker-kafka/issues
kafka 13:37:02.27

Created topic tweets.
zorya@zorya-virtual-machine:~/Documents/BigData/HW7/kafka_write$ bash build-run.sh
Sending build context to Docker daemon 516.5MB
Step 1/7 : FROM python:3.9-slim
--> 8c7051081f58
Step 2/7 : RUN pip install --upgrade pip
--> Using cache
--> eae7205b904c
Step 3/7 : COPY requirements.txt /opt/app/requirements.txt
--> Using cache
--> 0e3ee05c110b
Step 4/7 : RUN python3 -m pip install -r /opt/app/requirements.txt
--> Using cache
--> ee9063690e99
Step 5/7 : COPY ./main.py /opt/app/main.py
--> Using cache
--> db7afd870493
Step 6/7 : COPY ./twcs.csv /opt/app/twcs.csv
--> Using cache
--> 414bd62f6055
Step 7/7 : ENTRYPOINT ["python", "/opt/app/main.py"]
--> Using cache
--> 0854b63e7e68
Successfully built 0854b63e7e68
Successfully tagged hw7-write:latest
^Z
[1]+  Stopped                  bash build-run.sh
zorya@zorya-virtual-machine:~/Documents/BigData/HW7/kafka_write$ docker ps
CONTAINER ID   IMAGE                COMMAND                  CREATED        STATUS        PORTS                    NAMES
26e5bddbb0d0  hw7-write            "python /opt/app/main..." 3 minutes ago  Up 3 minutes  -                       kafka-producer
f6e0e1e0936   hw7-read             "python -u main.py"        3 minutes ago  Up 3 minutes  -                       kafka-consumer
fcfadae4db47  bitnami/kafka:latest  "/opt/bitnami/script..." 4 minutes ago  Up 4 minutes  9092/tcp                kafka-server
c801b0aa7570  bitnami/zookeeper:latest "/opt/bitnami/script..." 4 minutes ago  Up 4 minutes  2181/tcp, 2888/tcp, 3888/tcp, 8080/tcp  zookeeper-server
zorya@zorya-virtual-machine:~/Documents/BigData/HW7/kafka_write$
```

Terminal 2 (read):

```
zorya@zorya-virtual-machine:~/Documents/BigData/HW7/kafka_read$ bash build-run.sh
Sending build context to Docker daemon 5.632kB
Step 1/7 : FROM python:3.9-slim
--> 8c7051081f58
Step 2/7 : RUN pip install --upgrade pip
--> Using cache
--> eae7205b904c
Step 3/7 : WORKDIR /kafka_read
--> Using cache
--> fab0326da841
Step 4/7 : COPY requirements.txt .
--> Using cache
--> b7df3f3fc037
Step 5/7 : RUN python3 -m pip install -r ./requirements.txt
--> Using cache
--> 1144dd843575
Step 6/7 : COPY ./main.py .
--> Using cache
--> e7d9944511db
Step 7/7 : ENTRYPOINT ["python", "-u", "main.py"]
--> Using cache
--> a41aebca3cbb
Successfully built a41aebca3cbb
Successfully tagged hw7-read:latest
^Z
[1]+  Stopped                  bash build-run.sh
zorya@zorya-virtual-machine:~/Documents/BigData/HW7/kafka_read$
```

Result (output directory):

