**Prerequisites:**

Windows Operating System (Windows 10)

Install Anaconda (Python 3.7+)

Install JRE and JDK. Set JAVA\_HOME and JRE\_HOME

Follow: <https://analyticshut.com/install-kafka-on-windows/> to install Zookeeper and Kafka

Open the Anaconda Command Prompt:

Go to the project directory and there will be a ‘environment.yml’:

Type: conda env create --name myenv --file= environment.yml

Activate the env with

Type: conda activate myenv

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**Steps for Execution**

Open windows cmd prompt

Go to – cd C:\kafka\bin\windows

Run: zookeeper-server-start.bat C:\kafka\config\zookeeper.properties

Open another command prompt

Go to – cd C:\kafka\bin\windows

Run: kafka-server-start.bat ../../config/server.properties

Open Anaconda prompt

Activate environment –

and execute – python producer.py

Open new Anaconda prompt

Activate environment – conda activate myenv

and execute --- python consumer.py

**\*Possible errors:**

If the Error is

kafka.errors.NoBrokersAvailable: NoBrokersAvailable when running producer.py

Go to – logs folder of kafka (Directory of C:\tmp\kafka-logs or check kafka error on the console to know the log directory)

Delete logs – rm -rf \*

Restart the kafka console