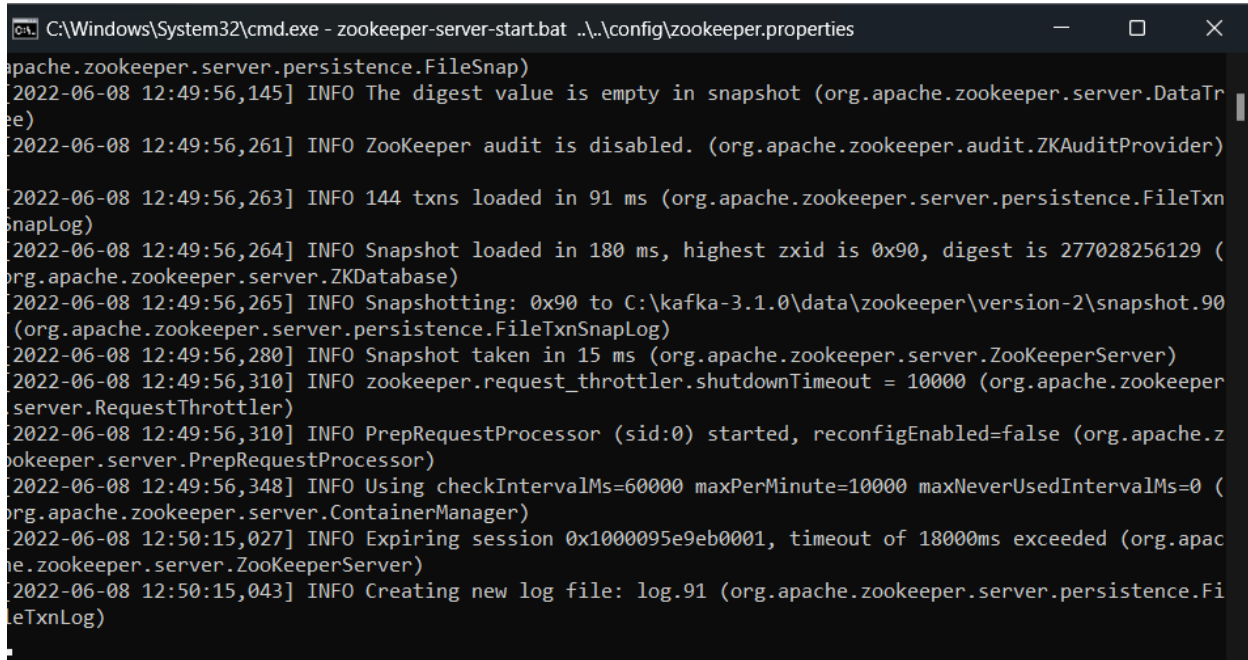
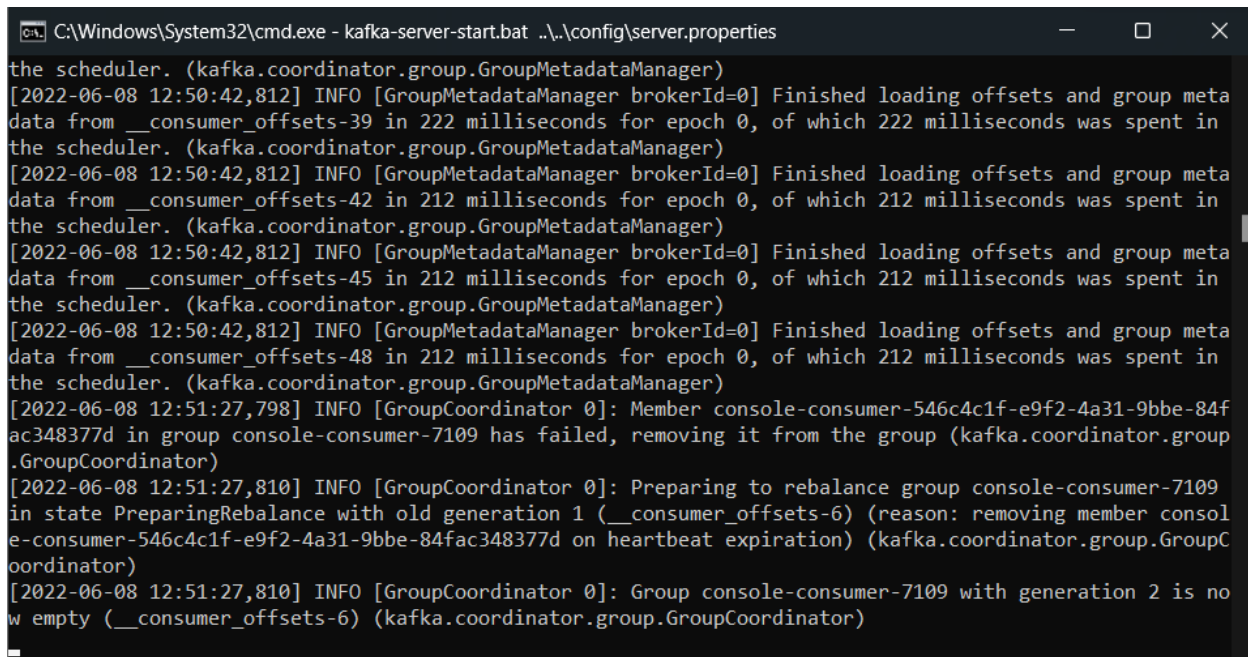


SAMPLE SCREENSHOTS



```
C:\Windows\System32\cmd.exe - zookeeper-server-start.bat ..\..\config\zookeeper.properties
[2022-06-08 12:49:56,145] INFO The digest value is empty in snapshot (org.apache.zookeeper.server.DataTree)
[2022-06-08 12:49:56,261] INFO ZooKeeper audit is disabled. (org.apache.zookeeper.audit.ZKAuditProvider)
[2022-06-08 12:49:56,263] INFO 144 txns loaded in 91 ms (org.apache.zookeeper.server.persistence.FileTxnSnapLog)
[2022-06-08 12:49:56,264] INFO Snapshot loaded in 180 ms, highest zxid is 0x90, digest is 277028256129 (org.apache.zookeeper.server.ZKDatabase)
[2022-06-08 12:49:56,265] INFO Snapshotting: 0x90 to C:\kafka-3.1.0\data\zookeeper\version-2\snapshot.90 (org.apache.zookeeper.server.persistence.FileTxnSnapLog)
[2022-06-08 12:49:56,280] INFO Snapshot taken in 15 ms (org.apache.zookeeper.server.ZooKeeperServer)
[2022-06-08 12:49:56,310] INFO zookeeper.request_throttler.shutdownTimeout = 10000 (org.apache.zookeeper.server.RequestThrottler)
[2022-06-08 12:49:56,310] INFO PrepRequestProcessor (sid:0) started, reconfigEnabled=false (org.apache.zookeeper.server.PrepRequestProcessor)
[2022-06-08 12:49:56,348] INFO Using checkIntervalMs=60000 maxPerMinute=10000 maxNeverUsedIntervalMs=0 (org.apache.zookeeper.server.ContainerManager)
[2022-06-08 12:50:15,027] INFO Expiring session 0x1000095e9eb0001, timeout of 18000ms exceeded (org.apache.zookeeper.server.ZooKeeperServer)
[2022-06-08 12:50:15,043] INFO Creating new log file: log.91 (org.apache.zookeeper.server.persistence.FileTxnLog)
```

Fig 6: Zookeeper Server Start



```
C:\Windows\System32\cmd.exe - kafka-server-start.bat ..\..\config\server.properties
the scheduler. (kafka.coordinator.group.GroupMetadataManager)
[2022-06-08 12:50:42,812] INFO [GroupMetadataManager brokerId=0] Finished loading offsets and group meta data from __consumer_offsets-39 in 222 milliseconds for epoch 0, of which 222 milliseconds was spent in the scheduler. (kafka.coordinator.group.GroupMetadataManager)
[2022-06-08 12:50:42,812] INFO [GroupMetadataManager brokerId=0] Finished loading offsets and group meta data from __consumer_offsets-42 in 212 milliseconds for epoch 0, of which 212 milliseconds was spent in the scheduler. (kafka.coordinator.group.GroupMetadataManager)
[2022-06-08 12:50:42,812] INFO [GroupMetadataManager brokerId=0] Finished loading offsets and group meta data from __consumer_offsets-45 in 212 milliseconds for epoch 0, of which 212 milliseconds was spent in the scheduler. (kafka.coordinator.group.GroupMetadataManager)
[2022-06-08 12:50:42,812] INFO [GroupMetadataManager brokerId=0] Finished loading offsets and group meta data from __consumer_offsets-48 in 212 milliseconds for epoch 0, of which 212 milliseconds was spent in the scheduler. (kafka.coordinator.group.GroupMetadataManager)
[2022-06-08 12:51:27,798] INFO [GroupCoordinator 0]: Member console-consumer-546c4c1f-e9f2-4a31-9bbe-84fac348377d in group console-consumer-7109 has failed, removing it from the group (kafka.coordinator.group.GroupCoordinator)
[2022-06-08 12:51:27,810] INFO [GroupCoordinator 0]: Preparing to rebalance group console-consumer-7109 in state PreparingRebalance with old generation 1 (__consumer_offsets-6) (reason: removing member console-consumer-546c4c1f-e9f2-4a31-9bbe-84fac348377d on heartbeat expiration) (kafka.coordinator.group.GroupCoordinator)
[2022-06-08 12:51:27,810] INFO [GroupCoordinator 0]: Group console-consumer-7109 with generation 2 is now empty (__consumer_offsets-6) (kafka.coordinator.group.GroupCoordinator)
```

Fig 7: Broker Server Start

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.25131.1000]
(c) Microsoft Corporation. All rights reserved.

C:\kafka-3.1.0\bin\windows>kafka-topics.bat --create --topic KLU --bootstrap-server localhost:9092
Created topic KLU.

C:\kafka-3.1.0\bin\windows>kafka-topics.bat --list --bootstrap-server localhost:9092
KLU
__consumer_offsets
projectTP

C:\kafka-3.1.0\bin\windows>
```

Fig 8: Created a Topic KLU

```
C:\Windows\System32\cmd.exe - kafka-console-producer.bat --topic KLU --bootstrap-server localhost:9092
Microsoft Windows [Version 10.0.25131.1000]
(c) Microsoft Corporation. All rights reserved.

C:\kafka-3.1.0\bin\windows>kafka-console-producer.bat --topic KLU --bootstrap-server localhost:9092
>
```

Fig 9: Producer console

```
C:\Windows\System32\cmd.exe - kafka-console-producer.bat --topic KLU --bootstrap-server localhost:9092
Microsoft Windows [Version 10.0.25131.1000]
(c) Microsoft Corporation. All rights reserved.

C:\kafka-3.1.0\bin\windows>kafka-console-producer.bat --topic KLU --bootstrap-server localhost:9092
>hi
>190031350
>190031511
>190031593
>
```

Fig 10: Input to Producer

```
C:\Windows\System32\cmd.exe - kafka-console-consumer.bat --topic KLU --bootstrap-server localhost:9092
Microsoft Windows [Version 10.0.25131.1000]
(c) Microsoft Corporation. All rights reserved.

C:\kafka-3.1.0\bin\windows>kafka-console-consumer.bat --topic KLU --bootstrap-server localhost:9092
hi
190031350
190031511
190031593
```

Fig 11: Output in Consumer

```
C:\Windows\System32\cmd.exe - kafka-console-consumer.bat --topic KLU --bootstrap-server localhost:9092 --...
Microsoft Windows [Version 10.0.25131.1000]
(c) Microsoft Corporation. All rights reserved.

C:\kafka-3.1.0\bin\windows>kafka-console-producer.bat --topic KLU --bootstrap-server localhost:9092
>hi
>190031350
>190031511
>190031593
>Pravallika
>shoaib
>Santhosh
>^Z

C:\kafka-3.1.0\bin\windows>kafka-console-consumer.bat --topic KLU --bootstrap-server localhost:9092 --fr
om-beginning
hi
190031350
190031511
190031593
Pravallika
shoaib
Santhosh
```

Fig 12: Total Data in database from beginning

> This PC > Local Disk (C:) > kafka-3.1.0 > data > broker > KLU-0

Name	Date modified	Type	Size
00000000000000000000000000000000.index	08-Jun-22 12:55 PM	INDEX File	10,240 KB
00000000000000000000000000000000	08-Jun-22 12:55 PM	Text Document	0 KB
00000000000000000000000000000000.timeindex	08-Jun-22 12:55 PM	TIMEINDEX File	10,240 KB
leader-epoch-checkpoint	08-Jun-22 12:55 PM	File	1 KB
partition.metadata	08-Jun-22 12:55 PM	METADATA File	1 KB

Fig 13: Storage location of Data