**DN 4.0 Dotnet FSE**

**Name: Anjali**

**Superset ID:6365319**

**Week 5**

**QUESTION - 1 (API-6)  
Kafka Integration with C#:**

**Input:**  
**Kafka Chat Application: Step-by-Step Commands**  
  
**1.  
Start ZooKeeper**  
cd C:\kafka\_2.13-3.7.2  
bin\windows\zookeeper-server-start.bat config\zookeeper.properties  
  
**| 2 | Start Kafka Broker |**  
cd C:\kafka\_2.13-3.7.2  
bin\windows\kafka-server-start.bat config\server.properties  
  
**| 3 | Create Kafka Topic (if not already created) |**  
cd C:\kafka\_2.13-3.7.2  
bin\windows\kafka-topics.bat --create --topic chat-topic --bootstrap-server localhost:9092 --partitions 1 --replication-factor 1  
 **| 4 | Run Kafka Consumer Console App |**  
cd path\_to\_KafkaChatConsumer\_project  
dotnet run  
 **| 5 | Run Kafka Producer Console App |**  
cd path\_to\_KafkaChatProducer\_project  
dotnet run  
  
**| 6 | Send and Receive Messages |**  
Type chat messages in the producer console and see them appear in the consumer console.

**Output:**







