1. D
2. When we are working with Transactions in Kafka, there might be multiple producers.   
   And to manage these producers, Spring Kafka uses something called ProducerFactory which can be used to create multiple Producer so basically a pool of producers.  
   And this is when this spring.kafka.producer.transaction-id-prefix comes in.  
   By setting this property, we are instructing Spring Kafka to enable Kafka Transaction.   
   Each producer in this pool will be given a unique Transactional ID which will have this prefix and some unique number at the end.
3. In simple words, the transaction prefix id is like a name tag that helps Spring Kafka to keep track of transactional producers.

It will use transactional ID to identify producer instance across multiple sessions or when your app crashes and restarts or if we have multiple instances of our app running concurrently.

1. Each instance of your app must have a unique Transactional ID.   
   One way to achieve this is by using ${random.value}.  
   
2. Transactional Log can be enabled by   
   