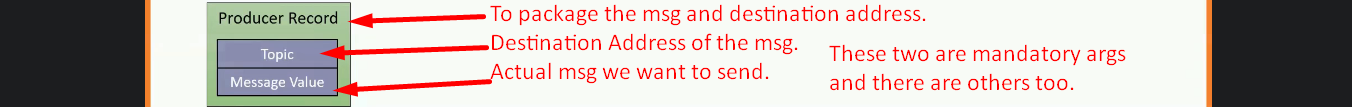
1. Text

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2. In earlier lecture, we have learnt something about Kafka Producer.
3. **Agenda**:
   1. Now it is time to go deep into Kafka Producer API.
4. It is straightforward.

Graphical user interface, text

Description automatically generated

1. We package the msg in the **ProducerRecord** object with at least two mandatory arguments 🡺 Topic name, message value.
   1. Kafka Topic name is the destination address of the msg.
   2. Message value is the main content of the msg  
      
   3. **Other optional arguments are**:  
      A picture containing background pattern

      Description automatically generated
   4. **Message Key**: We will talk about it as we progress in the course.
      1. The message key is one of the most critical arguments and it is used for many purposes such as
         1. partitioning,
         2. grouping, and
         3. Joining.
      2. At this stage, consider it mandatory argument even though API doesn’t mandate it.
      3. Other two such as Partition#, Timestamp is totally optional and you rarely set them.
   5. The ProducerRecord wraps all the necessary info such as Topic Name, Message Content, Key, Timestamp.  
      Once created, we can hand over the ProducerRecord to the **KafkaProducer.send**(ProducerRecord)  
      A picture containing graphical user interface

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