1. Graphical user interface, text, application

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2. In earlier lecture, we studied about the Data Directory which is created for each partition.  
   These directories hold the log files which in turn contain the msgs.
3. **Agenda**:
   1. Log File.
4. 
5. The msgs are stored in the log file in the partition directory (Data Directory).
6. However, instead of storing all the msgs into a single log file, Kafka generates several smaller log files known as **segments**.
7. Graphical user interface, text

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8. Graphical user interface

   Description automatically generated
9. Text

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10. Diagram

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    1. When a partition starts receiving msgs, it stores the msgs into the first segment 00000000000000000000.log.
    2. When the segment limit is reached, it closes the existing segment log file and creates a new segment log file.
    3. **Default limit** is 1 GB or a week of data.   
       Whatever is reached first.
    4. We have set the limit to 1MB.   
       That’s why we can see the segment log files earlier in our case.  
       A screen shot of a computer

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