1. Firestore - **serverless, web, and mobile applications** that require **real-time synchronization** and **offline support.**
2. index value in big table - key row
3. mysql, cloud storage - in regional level
4. cloud spanner for transactional app
5. regional failure - synchronous replication
6. To grand access to a object in the bucket - Access control
7. Time limited access -  signed URL - without IAM