GOOGLE CLOUD SPANNER

- Fully managed **Relational** Database Management System

- Cloud Spanner is used for handling massive amounts of data with special auto scaling features

- Cloud Spanner gives 99.9999% SLA with High availability for multi regional instances

- Cloud Spanner supports all commonly known programming languages like C, C++, Ruby, Python, .Net, Java, PHP etc.,

- Cloud Spanner is the right database to choose when using large amounts of data (greater than 10TB) & when transaction consistency is required

GOOGLE MEMORYSTORE

- Memorystore is a fully managed, in-memory Google Cloud data store

- Memorystore is fully compatible with the Redis and Memcached

- Memorystore for Redis instances provide a 99.9% availability SLA with automatic failover to ensure that the instance is highly available

- Memorystore provides easy integration with Stackdriver and OpenCensus for alarming, monitoring, and client-side metrics insights

- Data in memory store is protected using VPC networks and private IPs

- MemoryStore is the right database to choose when using key-value datasets and main focus is transaction latency

GOOGLE FIREBASE REALTIME DATABASE

- Firebase is a NoSQL Google Cloud database that is a part of the Firebase platform

- Data is stored as JSON

- Firebase offers to store and sync data in real-time and also provides caching capabilities

- Instead of typical HTTP requests, the Firebase Realtime Database uses data synchronization backed up by PUB-SUB architecture

- Firebase Realtime Database can be accessed directly from a mobile device or web browser