**Database Primer**

* TO connect to rds via ec2 , you have to allow **ec2 private IP** in rds security group
* Its recommended to keep the configurations of read replicas equal to or higher than master db if you have high read requests.
* while using MUlti Az databases, if you are using endpoint of db of AZ1, and that database goes down, then we don't have to update the endpoint, the endpoint remains same for both dbs.
* **MultiAZ is based on synchronous (at same time)replication while read replica is based on asynchronous replication(may be after few hours/min).**
* **Aurora performs vertical scaling,** when workload is more current server is replaced by a bigger one from the warm pool of instances and when load a less, current is replaced by a small server.
* during the first initiation while creating aurora serversless, The maximum capacity units will be available. After some time it reduces if traffic is low
* NOSQL data bases support horizontal scaling.