Indexing: way to optimize performance of date base by minimizing the number of disk access required when a query is processed.

1. **Auto scaling:** A feature of AWS which allows you to configure and automatically provision and spin up new instnces without any of supervision
2. **Types of cloud services:** Saas (Software as a service), PaaS(platform as a service), IaaS (Infracture as a service). DaaS (data as a service)
3. **S3 : Simple Storage Service** : It is an object storage which will help you to store and retrieve any amount of data from anywhere in the web
4. **SimpleDB:** SimpleDB is more flexible with the stored metadata. The key-value pairs are indexed, so querying can be quick for both EC2 and S3
5. **Access Types**: e.g. value based search, range access, etc.
6. **Access Time**: Time to find particular data element or set of elements.
7. **Insertion Time**: Time taken to find the appropriate space and insert a new data time.
8. **Deletion Time**: Time taken to find an item and delete it as well as update the index structure.
9. **Space Overhead**: Additional space required by the index.
10. **AMI :** amazon machine Image : snapshot of root file system.It is used to create a virtual Machine within Ec2.
11. What is the type of architrcture where half of the workload is on the public load while at the same time half of it is on the local storage: **hybrid cloud architecture**
12. How can you send the request to Amazon S3 : you can send request by using REST API
13. Advanced Packaging Tool (**APT)**