Assignment - 1

(1) **EC2** — Amazon Elastic Compute Cloud (Amazon EC2) is a web Service that Provides source, resizable compute capacity in the cloud.

- It is designed to make web scale cloud computing easier for developers. Amazon EC2 simple web Service Interface allows you to configure capacity with minimal function.

(2) **Elastic Beanstalk** — Aws Elastic Beanstalk is an easy to use Service for developing and Scaling web applications and Sources developed with Java, .NET, PHP, Node Js, Python, Ruby on familiar Services Such as Apache, Passenger and IIs.

(3) **IAM** — Aws Identify and Acess Management (IAM) enables you to manage access to Aws Services and resource Security using IAM.

(4) **ELB** — Elastic load Balancing automatically distributes incoming application trafic acress Multiple targets Such as Amazon EC2, Instances, Containers, IP address, lambda functions and virtual applicats.

(5) **S3 :-** (1) Amazon Simple Storage Service (Amazon S3) is an object Storage Service that offers industry leading Scasility, data availability, Security and Performece.

- Customer of all size and Industris can use it to Store and Protect any amount of data.

(6) **EBS** - Amazon Elastic Block stove (EBS) is an easy to use high Performance, block Storage service designed for use with Amazon Elastic Compute Cloud (EC2) for both throughput and transaction intensive workloads at any Scale.

Ex- Big data analytic deployed on Amazon EBS.

(7) **Fsx for Lustre** - Amazon Fsx for Lustre is a fully managed Service that Provides cost effective high Performance, Scable Storage for compute overloads.

- It Provides Multiple deployment options and Storage types to optimise cost & Performance for your workload requirement.

(8)- Glacier :- Amazon S3 Glacier is a secure, durable and extremely low cost Amazon S3 Storage Class for data archiving and long term backup with S3 Glacier, customers can store their data cost effectively for months years or even decades.

(9) Sagemaker :- Amazon Sagmaker is a fully managed machine learning service with Sagemaker, data scientists and developer can quickly and easily built and train Machine learning Modules and then directly deploy them into Production ready hosted environment.

(10) Rekognition :- Amazon Rekognition Makes it easy to add image and video analysis to your application using Proven, highly scalable, deep learning technology that requires no Machine learning expertise to use with amazon Rekognition.

- You can identify objects, People, Screens; activities, Image & video.

(11) SNS - Amazon Simple Notification Services (SNS) is a fully manged messaging Services for both application-to- application (A2A) and application - to - Person (A2P) Communication.

(12)- **SES :-** Amazon Simple Email Service (SES) is a cost effective flexible and Scable email Service that enables developers to Send email from within any application.
- With SES you can Send email Securly, globally and at Scale.

(13)- **Lambda :-** Aws lambda is a Servaless compute Service that lets you run code without Provisioning or manageing Services, Creating Workload aware cluster Scaling logic, Maintaining event integration with lambda.

(14)- **RDS :-** Amazon Relational Database Service (RDS) makes it easy to Setup, operate and Scale a relational database in the Cloud.
- It Provide cost - efficient and resizable capacity which automating time Consuming administration tasks Such as hardware Provision database Setup, Patching and backups.

(15)- **cloud 9 :-** Aws Cloud 9 is a cloud based integrated development environment IDE that lets you write, Run and develop debug your code with just a browser.

- It include a code editor, debugger and terminal.
- Cloud 9 comes prepackaged with essential tools for popular programming language including Javascript, Python, PHP etc...

(16)- Cognito :- Amazon cognito lets you add uses Signup, Sign In and access control to your web & Mobile app quickly and easily.

(17)- VPC :- Amazon virtual Private cloud is a service that lets you launch Aws resources into logically isolated virtual Network.

(18)- Route 53 :- Amazon Route 53 is a highly avialable and Scalable cloud domain name System CDNS web services.
It designed to give development and bussiness an extermely reliable and cost effective way to route end usess to Internet application by translating name like www eg - .Com