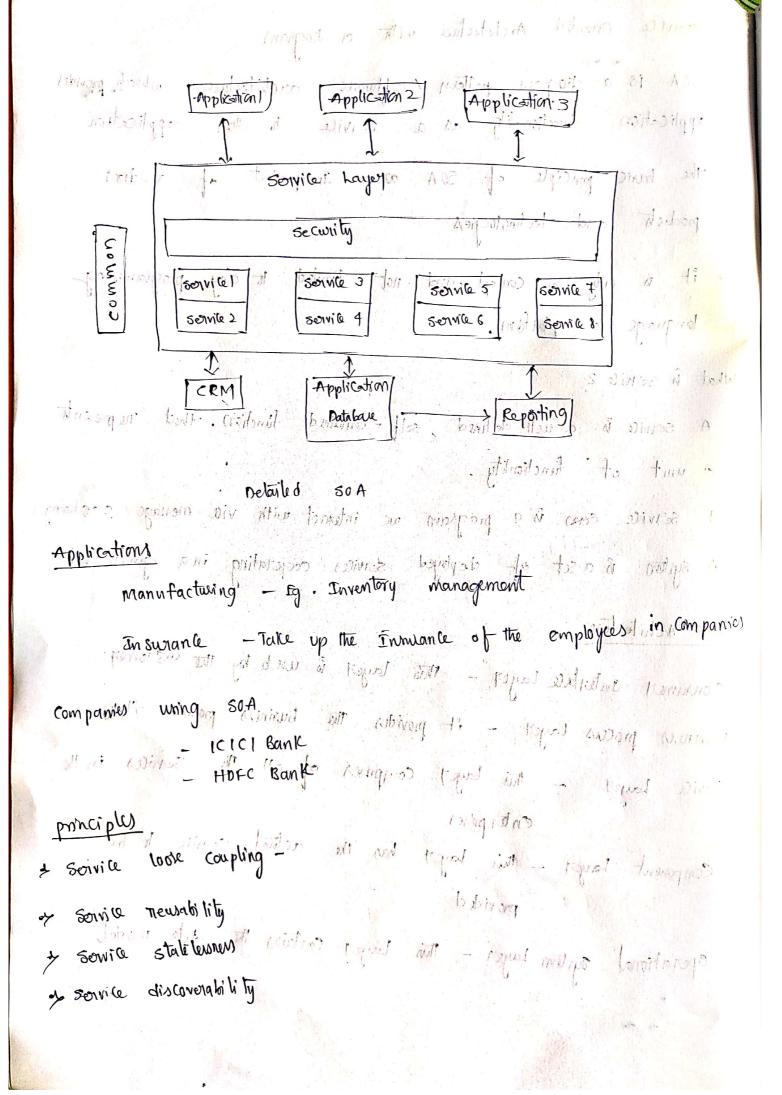
## vimp \*

- 1. source oriented Architecture with a diagram
- 2. Explain Saas, Paas, Iaas with its features
- 3. Explain Elartic compute cloud (EC2)
- 4. Explain the concept of on demand computing
- 5. stetch the cloud onchitecture.
- B. Explain vintualization in cloud.

1 source oriented Architecture with a diagram = 50A is a diagram pattern / software architecture which provides application functionality as a service to other application of the bound principle of 50A are Independent of vendrat products and technologies in couri ly -y it is only a concept and not limited to any programming language of platform. a source 1 siones What is service 2 motorion 1 of A source is a well-defined, self-contained function that represent a unit of functionlity. Detribed SOA of A service can is a program we interact with via menage exchanges + A system is a set of deployed services cooperating in a given take. Consumer Interface Layer - This layer is use by the Customer Buriners process Layer - it provides the buriners process flow Sorvice Layer - this layer comprises of all the sorvices in the Component layer - this layer has the actual service to be en to mixed provided Wildmin 2 grs. operational system Layer - This Layer contains the data model. of diderevoluit to



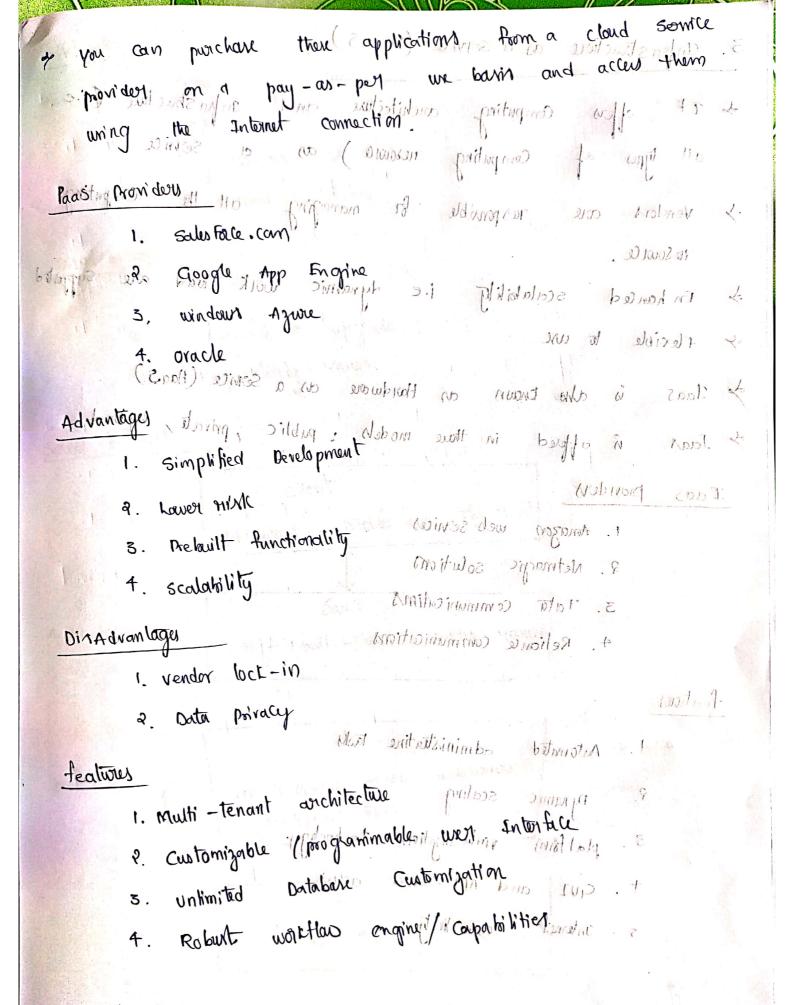
### Advantages

- + parallel application development
- so modular approach
  - of Early main beyon le
  - es Greater Reliability
  - & Improved software Quality
  - > Phtfsm Independence
  - ancead productivity

#### Disa dvantages

- & stand alone, non-distributed applications
- & Homogenows application environments
- -> GUI based applications
- to short lived applications
- of Real time applications
- % One-way asynchronous communication applications.

A	Ivantages				
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3. Inkastructure asod service it (Igaas) will working no soy · jwg on pastrictue ( ):e It offers computing anchitecture a service Dian all types of Computing nesowna ) as vendors one rusponsible for managing all the computing i.e dynamic work bad one supporte resource. En hanced scalability every A such in . Flerible to use is also known as Hardwore as a somice (Haas) is offered in the models, public, private, hydrid by Idas Iaas Moviders Will Bowed & 1. Amazon web services 3. Rebuilt functionaling a. Metmagnic solution 1. scalability 3. Tata Communications 4. Reliance communications ni-100 robney 1 features Automated administratine tooks Dynamic scaling suitablishes thoust - ithum .1 plat form until diffetion of ontechnology war inot and s 3. +. GUI and APTICE based accusated believed 5. Internet of i commedti yeripm culture. Landos

- 1. should infrastructure
- 2. web access to the nesconces
- 3. pay -as-pri- were madel
- 4. on -demand scalability

#### pis advantages

- 1. secon'ty
- a. Maintanana & upgrade
- 3. Interoperability immes.

# Service model

Client

Web Browsers - Mobble app - Thin client

Saa S

CRM - Email - viritual Desictop - Games

Application

platon

Paar execut Runtime - 16 - webservers - Development tools

middle work supporter creater

Ican

Vintual m/c - sovers - strag - N/00

3. Elastic Compute cloud (Amgon EC2) => EC2 is the Engine mon. for AWS (Amazen web sorvices) It is where someway will apprent and run on day-to-day ex EC2 provides nerizable compute capacity which is can scale computing resources depending on the capacity patote and positicular point in time of E() has the ability to start and stop multiple somewh por and single in server image in a come com into ARII Remote Desktop protected (ROP) less wed to legin into AMI (Amazon Machine Image) Electric Blockstone (EBS) went to stone the updates of mader to the image. features of EC2 Born common bilines situations. 1. Reliable ; Amazon EC2 and offerens a highly reliable anvironment where
replacement of instances is mapially possible.

The placement of Agreement commitment is 99.9% availability

And each Amazon EC2 region - Lucion we can choose as per out requirement.

2. Designed for Anazer web services books trapped offers Amazen ECI works fine with Amazen sos. in the Amazen sos. and stolage is a cross a wide mange of applications emil ni triog wholly 3horrose civilem goto know trade of pridates and and 13 Amorgan EC2 works in Amorgan vintuals Private cloud to provide a secure and mobile inchances to a secure and (Amazon Machine image) Links Blockston (EBS) used to stone the adother along . A the took to developers and system ord ministrators to build thinke applications and ino bute thomselves tions of ECZ toom common tailue situations. : Joble: 5. Inexpensive Amazen EC2 wants in to pay only without the Hestwices that

we are includes multiple purchase plans such as

the includes multiple purchase plans such as

the includes multiple purchase plans such as on - Demand instances, Reserved anstances, spot instances, etc. es which we can choose as per own requirement.

#### Advantages

- 1. Reliability
- a. safety
- 3. Adaptability
- 4. cost cutting
- 5. Full-service computing solution
- 6. Elastic web-scale computing

#### Disadrantacjes

- 1. Security limitations
- 2. General cloud computing inners
- 3. Fechnical support fee