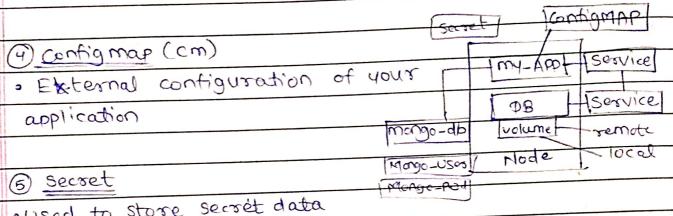
1)	1) What is KES					
A CONTRACTOR OF THE CONTRACTOR	· open source container orchestration tool					
	. Developed by google					
and the state of t	· Helps manage containerized applications in different					
The state of the s	deployment environments.					
	Need for container orchestration tool					
The state of the s	. Trend from Monolith to Microservices					
an additional and a second	· Increased wage of containors					
Continue to the	. Demand for a proper way of managing tose hundreds of					
- 2 - 4 - 1	containers.					
Judger masses	features do orchestration tools offer					
	· High Availability or no downtime					
	· Scalability or high performance					
5.37.31	· Disouter recovery - backup and restore					
mily	K8S Architecture.					
. 0	There o is one master node and multiple worker nodes					
,	Where each worker node has a kubelet process nunning					
	on it					
	kubelet: Is actually a kubemeter process that materit					
	possible for the cluster to communicate each					
	other and execute some tasks on those nodes.					
6	Each worker node has containors of different applicat-					
	ions deployed on it.					
•	on marternode actually runs several Ess processes that					
A STATE OF THE STA	ore absolutely necessary to run & manage the cluster					
	property					
API Server: - Also is a container an api server						
	to k8s cluster					
	UF, API, CLI -> all talk to api server					

FACE ICA.

The first state of the state of							
	Controller Manager: Leeps track of whats						
	happening in the cluster						
	schedulor: - scheduling containors on different						
					e workload		
	etcd;	kss bac	king sto	26			
0	vistual Metroopk: - creates one unified machine						
	OJ APJ CLJ			control plane Modes			
		API Server			- hardful of masters		
	3	Controller Manager		bescher			
		sisteduler			-much more important		
	etcd						
	control plane						
wipem*	Virtual Network						
	Mosker Modes						
	container	55	contain	ors - higher workload			
	Kubelet	Kubel		et	- much bigger and		
i 1	Node		Mode		more resources		
71.	Ingress						
					00 - IPSONICE.		
	components Ir	1 K82		MY-A	PPI 15-13-54-14		
		_		DB!	JP Service		
	• smallest unit of K8S (Node)						
	· Abstraction		NAME OF TAXABLE PARTY.	Water hall to be a series and			
	(You only interact with the KBS lower)						
	· Usally 1 A				year I		
	• Each pod Contains its own to address through that they can communicate. • Pods can die easily • New to address on recreation						

- @ service (suc)
- · permanent IP address
- · Lifecycle of pod & sorvice not connected.
- · You specify the type of service on creation
- . Internal service is the default type
- 3 Ingress (ing)
- . Instead of service the request goes first to ingress and it does the forwarding then to the service



- ·Used to store secret data
- · Reference Secret in Deployment/ pod
- @ vol
- · Storage on local machine