Day1:

I have learnt about the 1)EKS is the managed cluster of AWS 2)revision of docker and k8s, fault tolerance can be achieved using multinode 3)k8s services like api server,kube scheduler, controller, kubectl,Etcd for database 4)for openstack,we have magnum service 5)$0.1 per hour is charged for creating Eks cluster and extra charges for the resources used in worker nodes 6)AWS will launch the EC2 instances in different azs, because of disaster recovery 7) creation of a user with admin access 8)aws eks create-cluster is not as much as powerful as eksctl 9)how to use eksctl and how to create cluster 10)eksctl will create master automatically as best possible way, but we have to provide the resources for slave. 11)by using kubectl, we are accessing the AWS eks 12)if we want to login to the slave node , we have to provide key 13)how to create kubectl config file 14)how to set the new namespace as default using set-context 15)use of service load balancer 16) Internally k8s load balancer and eks load balancer are connected 17)how to create pvc in eks using ebs 18) reclaim policy of retain vs delete 19)how to create storage class set as default 20)how to delete cluster

Day2

1)eks on demand and spot instance 2)what is kops tool 3)how to launch provisioner for EFS and deploy wordpress and MySQL 4) drop back of ebs that one ebs can't connect to all the nodes in all the availability zone where nodes is launched. So we use EFS in this case 5)in AWS, we can create our own cluster also, in this case, we have manage all the resources 6)what is the role of ELB and it's types like NLB,CLB,ALB 7)we can't increase the resources like ram and cpu for the running nodes, so to solve this, we use fargate service 8)fargate manages both master as well as slave, they create the slave at run time (i.e on demand) 9)role of kube-system 10) limitations of instance type like we can launch max 4pods for t2.micro 11)what is overlay network and the role of CNI plugin flannel,used for the connectivity between different nodes 12)in VPC, what is the the role of ENI 13)IN VPC, we can know how many available Ips i.e pods can be launched 14)how to create and launch fargate cluster 15)IAm and roles 16) MySQL and wordpress launch in eks cluster 17) what is the use of Dns, CName 18)Helm setup, installation and usage 19) k8s with grafana and Prometheus 20) k8s dashboard