AWS

1. What is subnet?  
   Ans) the logical sub division of a ip network is called subnet, dividing the network into two or more network is called sub netting. Ex 10.1.0.0/24 Here 24 is bits heighest is 32 bits i.e (8.8.8.8)255.255.255.255 if it is 24 =255.255.255.0 So the range is 10.1.1.1 to 10.1.1.255  
    \* we cant use 10.1.1.0 as it is network id and 10.1.1.255 as it is broadcast id
2. How to create a subnet?  
   Ans)step 1) go to amazon vpc console.   
    step 2) Direct to subnet.  
    step 3) create a subnet.
3. Why do we create a subnet.  
   Ans)Subnet main use is to relive it from network congestion.to increase the performance of the ,  
    \* Earlier when a packet was send to a system multiple systems where able to receive the packet , the problem raised when 2 system where sending 2 packets simentanuasly then the packet collide and gets destroyed in collision .
4. What is internet gate way  
   Ans)servers can communicate internally without any issue but if a user / the server want’s to communicate with the cloud ,there could to be conflict like other server also having same ip address ,so to over come this issue the communication happens througt internet gate way. In IGW the traffic gets converted (NAT) in igw It gives public ip so internal ip address(10.1.1.) is unknow .

IGW

IGW

10.1.1.24

10.1.1./24

1. How many ip can u create in subnet  
   Ans) one
2. Not able to attach gateway to vpc  
   Ans)Only one internet gateway can be attached to one vpc
3. What is routing Tables?  
   Ans) Routing table is nothing but navigating the servers,for ex in the above diagram the server need to know the path to contact other server or request has raised to acess internet so server need to pass through the internet gateway so rout table will help you in showing the path.
4. What is local rout?  
   Ans)You will assign local rout to tell the server that if a subnet starting with same name for example if there are 3 subnet there name start with 10.5. then u r telling that u should communicate internally .don’t go outside the gateway. If u assign 0.0.0.0/0 u say to access to internet.
5. How many subnets per VPC?

Ans)max 200