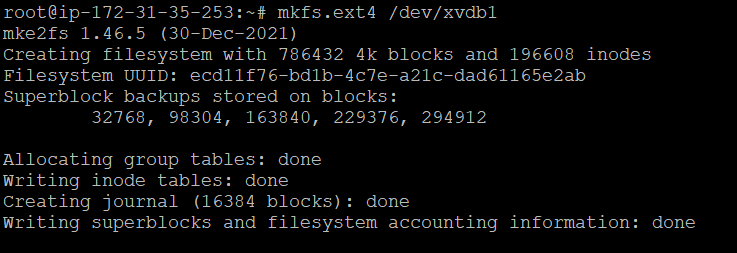
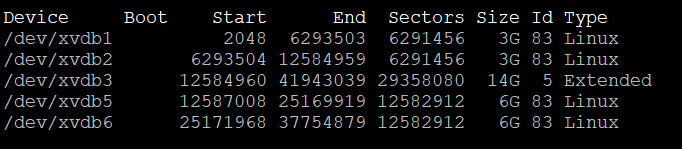
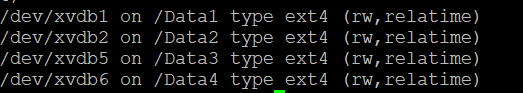
Launch virtual machine in the cloud , attach 20 GB EBS volume  
  
Important Note:-  Do not try partition, filesystem creation on your local desktop or laptop instead use virtual machine to do practice.  These operations are destructive , chances of system crash.  Work carefully.  
  
Create partition on newly attached disk as per below instructions -  
     a) Create 2 primary partitions of 3 GB each  
     b) Create 2 logical partitions of 6 GB each  
     c)  Format all 4 partitions and create ext4 filesystem on that  
     d) Create 4 folders inside root ( / ) folder name it as Data1, Data2, Data3, Data4  
     e) Mount all formated partitions on the respective folders  
     f)  Create empty file inside each folders of size 2 GB, 2GB, 4 GB and 4 GB respectively  using  command -  dd - "convert and copy a file"  
     g) Go inside /Data1  and run  command -  while(true); do sleep 5s; done  , do ctrl-z  
     h) Check disk utilization of each mount point  
     i)  Unmount all partitions /Data1, /Data2, /Data3 and /Data4  
  
Note:-  All partitions should be automatically mounted post reboot.

A screenshot of a computer

Description automatically generatedA screen shot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated