**Question 1: Explain this following bash script:**

#!/bin/bash

space\_free=$( df -h | awk '{ print $5 }' | sort -n | tail -n 1 | sed 's/%//' )

case $space\_free in

[1-5]\*)

echo Plenty of disk space available

;;

[6-7]\*)

echo There could be a problem in the near future

;;

8\*)

echo Maybe we should look at clearing out old files;;

9\*)

echo We could have a serious problem on our hands soon

;;

\*)

echo Something is not quite right here

;;

Esac

**Ans**. Here it will print ‘ Plenty of disk space available’ though the value is coming in space\_free variable is 30.

Because ;; has been used it’s mean terminate . So it’s just printing the 1st line and terminate the program.