1. THAT WILL ASK write a script that can do the inventory of a server in term of OS, HDD, memory, number of cpu, architecture
2. #! /bin/bash
3. echo "what is the linux flavour of this server?"
4. LINUX\_FLAVOUR=`cat /etc/\*release |head -n1 |awk -F"=" '{print$2}'`
5. echo "we are using $LINUX\_FLAVOUR on this server"
6. echo "what is the HDD capacity of this server?"i
7. HDD=`df -h |grep udev |awk -F" " '{print$4}'`
8. echo "$HDD is the value of the HDD of this server"
9. echo "what is the total memory of this server?"
10. MEMORY=`free -h |grep -i mem |awk -F" " '{print$2}'`
11. echo "the total memory of this server is $MEMORY"
12. echo "what is the number of CPU of this server?"
13. CPU=`nproc`
14. echo "this server has $CPU"
15. echo "what is the architecture of this server?"
16. ARCH=`getconf LONG\_BIT`
17. echo "The system is $ARCH BIT"

2- write a script that will ask the user his age, if user is 21 or older, then have authorization to enter the facility, please show your id to the security guy, if not , you are not authorize to come in, please come back when you are 21

#! /bin/bash

read -p "what is your age?"AGE

sleep 2

if [[ AGE -ge 21 ]]

sleep 3

then

echo "you are authorized to come in"

else

echo "you are not authorized, please come back when you are 21"

fi

3- write a script that will ask a user to enter his prefer name, then check if a user exist in the system and welcome the user, if not the system will create a user with that prefer name and put it in the group temporary user and welcome the user and encourage the user to see the manager to activate his permanent account

#! /bin/bash

read -p "what is your prefer name?" PREFERNAME

cat /etc/passwd |grep -w $PREFERNAME

if [[ $? -eq 0 ]]

then

sleep 3

echo "welcome $PREFERNAME"

else

echo "give me one second, we are creating your temporary account"

sleep 3

sudo groupadd temporary || true

sudo useradd -G temporary $PREFERNAME

echo " welcome $PREFERNAME, see the manager to activate your permanent account"

fi

cat /etc/shadow

if [[ $? -ne 0 ]]

thenls

echo "you are root user"

else

echo "permission denied, you are not a root user"

exit 1

fi