## OS Assignment No 3

1. **Write a script where user enters a file path and output says if input path is a file or a directory**

**SCRIPT:**

#!/bin/bash

read -p "Enter the path: " path

if [[ -f $path ]]

then

echo "$path ---> File"

elif [[ -d $path ]]

then

echo "$path --> Directory"

else

echo "Invalid Path"

fi

**OUTPUT:**

[akash@localhost edac]$ ./script8.sh

Enter the path: /home/akash/aka

/home/akash/aka --> Directory

[akash@localhost edac]$ ./script8.sh

Enter the path: /home/akash/aka/edac/file1

/home/akash/aka/edac/file1 ---> File

[akash@localhost edac]$

1. **Write a script where username is entered and its userid is displayed in the output**

**SCRIPT**

#!/bin/bash

read -p "Enter a username : " usnm

var=$(cat /etc/passwd|grep -i "$usnm"|cut -d':' -f3)

if [[ -n $var ]]

then

echo "$var"

else

echo "$usnm dose not exist"

fi

**OUTPUT**

[akash@ip-172-31-16-120 edac]$ ./script9.sh

Enter a username : akash

1001

[akash@ip-172-31-16-120 edac]$ ./script9.sh

Enter a username : abc

abc dose not exist

[akash@ip-172-31-16-120 edac]$

1. **List all the linux users with their USername,UID who are using bash shell**

[akash@ip-172-31-16-120 edac]$ cat /etc/passwd|grep bash|awk -F':' '{print $1," "$3," "$7}'

root 0 /bin/bash

ec2-user 1000 /bin/bash

akash 1001 /bin/bash

test1 1003 /bin/bash

test2 1999 /bin/bash

test3 2000 /bin/bash

user1 2001 /bin/bash

1. **Write a script where user enters a username and outputs says if that user is present on linux or not.**

**SCRIPT**

#!/bin/bash

read -p "Enter a username : " usnm

var=$(cat /etc/passwd|grep -i "$usnm")

if [[ -n $var ]]

then

echo -e "$usnm exist in our system :\n $var"

else

echo "$usnm dose not exist in our system"

fi

**OUTPUT**

[akash@ip-172-31-16-120 edac]$ ./script10.sh

Enter a username : Akash

Akash exist in our system :

akash:x:1001:1001::/home/akash:/bin/bash

[akash@ip-172-31-16-120 edac]$ ./script10.sh

Enter a username : abc

abc dose not exist in our system

[akash@ip-172-31-16-120 edac]$