

***Operating systems***

***Lab Work***

***Practical 4***

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***Batch:F-1***

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***Code:***

ch=1

while [ $ch -ge 1 ] && [ $ch -le 7 ]

do

echo "1.Create new directory"

echo "2.Modify directory"

echo "3.Navigation"

echo "4.List"

echo "5.Present working directory"

echo "6.Permission"

echo "7.Check for Existence:"

echo "8.Exit"

read -p "Enter Choice : " ch

case $ch in

1)

echo "Enter name of directory"

read name

mkdir $name

;;

2)

ch1=1

while [ $ch1 -ge 1 ] && [ $ch1 -le 4 ]

do

echo "1.Rename"

echo "2.Copy"

echo "3.Move"

echo "4.Delete"

echo "5.Exit"

read ch1

case $ch1 in

1)

echo "Entre old name"

read old

echo "Enter new name"

read new

mv $old $new

;;

2)

echo "Entre directory you want to copy"

read source

echo "Entre destination directory"

read dest

cp -r $source $dest

;;

3)

echo "Entre source directory"

read source

echo "Enter target directory"

read dest

mv $source $dest

;;

4)

echo "Enter Dir you want to delete"

read name

rmdir $name

;;

esac

done

;;

3)

ch1=1

while [ $ch1 -ge 1 ] && [ $ch1 -le 2 ]

do

echo "1.Goto Parent Directory"

echo "2.Navigation to specific path"

echo "3.Exit"

read ch1

case $ch1 in

1)

echo "Current directory"

pwd

cd ..

echo "Parent Directory"

pwd

;;

2)

echo "Enter specific path"

read dir

cd $dir

pwd

;;

esac

done

;;

4)

ch1=1

while [ $ch1 -ge 1 ] && [ $ch1 -le 3 ]

do

echo "1.List All Directories"

echo "2.List details of all directories"

echo "3.List along with hidden files details"

echo "4.Exit"

read ch1

case $ch1 in

1)

echo "All directories"

ls

;;

2)

echo "Details of all directories"

ls -l

;;

3)

echo "Hidden directories"

ls -a

;;

esac

done

;;

5)

echo "Present Working Directory"

pwd

;;

6)

ch1=1

while [ $ch1 -ge 1 ] && [ $ch1 -le 2 ]

do

echo "1.Add permission"

echo "2.Revoke permission"

echo "3.Exit"

read ch1

case $ch1 in

1)

echo "Enter file name to add permission"

read filename

echo "r-read w-write x-execution"

read per

echo "u-User g-Group o-Other"

echo "Example: ug - User and Group"

echo "Example: o - Only Others"

read -p "Your choice: " who

chmod $who+$per $filename

;;

2)

echo "Enter file name to revoke permission"

read filename

echo "r-read w-write x-execution"

read per

echo "u-User g-Group o-Other"

echo "Example: ug - User and Group"

echo "Example: o - Only Others"

read -p "Your choice: " who

chmod $who-$per $filename

;;

esac

done

;;

7)

echo "1.Check for the existence of a file?"

echo "2.Check for the existence of a directory?"

read -p "Enter the Choice:" somechoice

case $somechoice in

1)

echo "Enter the file name:"

read filename

if [ -f $filename ]

then

echo "File exists"

else

echo "The file doesnt exist"

fi

;;

2)

echo "Enter the Directory name:"

read dname

if [ -d $dname ]

then

echo "Directory exists"

else

echo "The directory doesnt exist"

fi

;;

esac

esac

done

***Output:***











