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Roll No: 22BCE347

Batch: F1

Subject: Operating System (OS)

Subject Code: 2CS506

Practical 4

Practical :

Write a shell script for implementing directory management.

```
var="hello"

echo $var

echo "Welcome to Directory Management"

echo "Enter your Choice:"

echo "1. Create Directory"

echo "2. Modify Directory"

echo "3. Navigate Directory"

echo "4. List Directory"

echo "5. Exit from System"

read c

case "$c" in

"1")

echo "Enter Dir. Name to create:"

read d

mkdir $d

echo "Directory $d Created"

;;

"2")

echo "Enter Option to Modify:"
```

```
echo "1. Rename Directory"
echo "2. Copy Directory"
echo "3. Move Directory"
echo "4. Remove Directory"
echo "5. Exit"
read a
case "$a" in
"1")
echo "Enter Old Dir. Name to be Renamed:"
read e
echo "Enter New Dir. Name to Rename:"
read f
mv $e $fS
echo "Dir. Renamed"
;;
"2")
echo "Enter Old Dir. Name to be Copied:"
read g
echo "Enter New Dir. Name to copy:"
read h
mkdir $h
cp -r $g $h
echo "Dir. Copied"
```

```
;;
"3")
echo "Enter Old Dir. Name to be Moved:"
read i
echo "Enter New Dir. Name to move:"
read j
mv $i $j
echo "Dir. Moved"
;;
"4")
echo "Enter Dir. Name to be Removed:"
read k
rm -r $k
echo "Dir. Removed"
;;
"5")
echo "Exiting"
exit
;;
esac
;;
"3")
echo "Enter Your Choice:"
```

```
echo "1. Parent Dir."
echo "2. Path Dir."
echo "3. Exit"
read b
case "$b" in
"1")
echo "Parent Dir:"
cd ..
pwd
;;
"2")
echo "Enter Path:"
read l
cd $l
echo "Reached Path"
;;
"3")
echo "Exiting"
exit
;;
esac
;;
"4")
```

```
echo "Enter Your Choice:"
echo "1. List Dir."
echo "2. List -l Dir."
echo "3. Exit"
read v
case "$v" in
"1")
ls
;;
"2")
ls -l
;;
"3")
echo "Exiting"
exit
;;
esac
;;
"5")
echo "Exiting.. BYE"
exit
;;
Esac
```

Output:

```
swekit@swekit:~$ nano file.sh
swekit@swekit:~$ sh file.sh
hi
Welcome to Directory Management
Enter your Choice
1. Create Directory
2.Modify Directory
3.Navigate Directory
4.List Directory
5.Exit from System
1
Enter Dir. Name to create:
skp
Directory skp created
```

```
swekit@swekit:~$ sh file.sh
hi
Welcome to Directory Management
Enter your Choice
1. Create Directory
2.Modify Directory
3.Navigate Directory
4.List Directory
5.Exit from System
2
Enter Option to Modify
1. Rename Directory
2. Copy Directory
3. Move Directory
4. Remove Directory
5. Exit
3
Enter Old Dir. Name to be Moved
skp
Enter New Dir. Name to move
sp
Dir. Moved
```

```
swekit@swekit:~$ sh file.sh
hi
Welcome to Directory Management
Enter your Choice
1. Create Directory
2.Modify Directory
3.Navigate Directory
4.List Directory
5.Exit from System
4
Enter your choice
1. List Dir
2. List -l Dir
3. Exit
2
total 60
-rw-rw-r-- 1 swekit swekit  437 Feb  5 21:06 calc
drwxr-xr-x 3 swekit swekit 4096 Jan 30 00:55 Desktop
drwxr-xr-x 2 swekit swekit 4096 Jan 30 00:27 Documents
drwxr-xr-x 2 swekit swekit 4096 Feb  5 21:04 Downloads
-rw-rw-r-- 1 swekit swekit    0 Jan 30 00:35 f1
-rw-rw-r-- 1 swekit swekit 1451 Feb 29 00:01 file.sh
drwxr-xr-x 2 swekit swekit 4096 Jan 30 00:27 Music
-rw-rw-r-- 1 swekit swekit  257 Feb 16 01:05 new.sh
drwxr-xr-x 2 swekit swekit 4096 Jan 30 00:27 Pictures
-rw-rw-r-- 1 swekit swekit  106 Feb 16 00:48 prac1a.sh
drwxr-xr-x 2 swekit swekit 4096 Jan 30 00:27 Public
drwx------ 5 swekit swekit 4096 Feb  5 21:02 snap
drwxrwxr-x 2 swekit swekit 4096 Feb 29 00:02 sp
-rw-rw-r-- 1 swekit swekit  330 Feb  5 21:12 switch
drwxr-xr-x 2 swekit swekit 4096 Jan 30 00:27 Templates
drwxr-xr-x 2 swekit swekit 4096 Jan 30 00:27 Videos
```

```
swekit@swekit:~$ sh file.sh
hi
Welcome to Directory Management
Enter your Choice
1. Create Directory
2.Modify Directory
3.Navigate Directory
4.List Directory
5.Exit from System
5
Exiting now...
```