

```

#!/bin/bash
i="0"
while [ $i -lt 100 ]
do
    echo
    "=====
    ="
    echo "-----FILE SYSTEM MANAGEMENT-----
    -----"
    echo
    "=====
    ="
    echo " "
    echo "1- List all files and Directories here"
    echo "2- Create New Files"
    echo "3- Delete Existing Files"
    echo "4- Rename Files"
    echo "5- Edit File Content"
    echo "6- Search Files"
    echo "7- Details of Particular File"
    echo "8- View Content of File"
    echo "9- Sort File Content"
    echo "10- List only Directories(Folders)"
    echo "11- List Files of Particular Extension"
    echo "12- Count Number of Directories"
    echo "13- Count Number of Files"
    echo "14- Sort Files in a Directory"
    echo "0- Exit"
    echo " "
read opt1
if [ $opt1 == 1 ]
then
    echo "List all files and Directories here.."
    echo "Showing all files and directories...."
    sleep 3
    echo "Loading.."
    sleep 3
    echo "-----OutPut-----
    -----"
    ls
    echo " "

elif [ $opt1 == 2 ]
then
    echo "Create New Files here.."echo "Which type of file you want to
create !"
    echo "1- .c"
    echo "2- .sh"
    echo "3- .txt"
    echo "Enter your choice from 1-3"
    read filechoice

    if [ $filechoice == 1 ]
    then

```

```

        echo "Enter File Name without .c Extension"
        read filename
        touch $filename.c
        echo "-----OutPut-----"
    -----"

        echo "File Created Successfully"
        echo " "

        elif [ $filechoice == 2 ]
        then
            echo "Enter File Name without .sh Extension"
            read filename2
            touch $filename2.sh
            echo "-----OutPut-----"
    -----"

        echo "File Created Successfully"
        echo " "

        elif [ $filechoice == 3 ]
        then
            echo "Enter File Name without .txt Extension"
            read filename3
            touch $filename3.txt
            echo "-----OutPut-----"
    -----"

        echo "File Created Successfully"
        echo " "
        else
            echo "Inavlid Input..Try Again."
            echo " "
        fi

elif [ $opt1 == 3 ]
then
    echo "Delete existing files here.. "
    echo "Enter name of File you want to Delete!"
    echo "Note: Please Enter full Name with Extension."
    read delfile
    echo "-----OutPut-----"
    -----"

    if [ -f "$delfile" ];
    then
        rm $delfile
        echo "Successfully Deleted."
        echo " "
    else
        echo "File Does not Exist..Try again"
        echo " "
    fi

elif [ $opt1 == 4 ]

```

then

```
    echo "-----OutPut-----"
    -----"
    echo "Rename files here.."
    echo "Enter Old Name of File with Extension.."
    read old
    echo "Checking for file..."
    sleep 3

    if [ -f "$old" ];
    then
        echo "Ok File Exist."
        echo "Now Enter New Name for file with Extension"
        read new
        mv $old $new
        echo "Successfully Rename."
        echo "Now Your File Exist with $new Name"
    else
        echo "$old does not exist..Try again with correct filename."
    fi
    echo " "

elif [ $opt1 == 5 ]
then
    echo "Edit file content here.."
    echo "Enter File Name with Extension : "
    read edit
    echo "-----OutPut-----"
    -----"
    echo "Checking for file.."
    sleep 3

    if [ -f "$edit" ];
    then
        echo "Opening file.."
        sleep 3
        nano $edit
        echo " "
    else
        echo "$edit File does not exist..Try again."
    fi

elif [ $opt1 == 6 ]
then
    echo "Search files here.."
    echo "Enter File Name with Extension to search"
    read f
    echo "-----OutPut-----"
    -----"
    if [ -f "$f" ];
    then
        echo "Searching for $f File"
        echo "File Found."
```

```

        find /home -name $f
        echo " "
    else
        echo "File Does not Exist..Try again."
        echo " "
    fi

elif [ $opt1 == 7 ]
then
    echo "Detail of file here.."
    echo "Enter File Name with Extension to see Detail : "
    read detail
    echo "-----OutPut-----"
    echo "Checking for file.."
    sleep 4

    if [ -f "$detail" ];
    then
        echo "Loading Properties.."
        stat $detail

    else
        echo "$detail File does not exist..Try again"
    fi
echo " "

elif [ $opt1 == 8 ]
then
    echo "View content of file here.."
    echo "Enter File Name : "
    read readfile
    echo "-----OutPut-----"
    if [ -f "$readfile" ];
    then
        echo "Showing file content.."
        sleep 3
        cat $readfile
    else
        echo "$readfile does not exist"
    fi
echo " "

elif [ $opt1 == 9 ]
then
    echo "Sort files content here.."
    echo "Enter File Name with Extension to sort : "
    read sortfile
    echo "-----OutPut-----"
    if [ -f "$sortfile" ];

```

```

        then
            echo "Sorting File Content.."
            sleep 3
            sort $sortfile
        else
            echo "$sortfile File does not exist..Try again."
        fi
    echo " "

elif [ $opt1 == 10 ]
then
    echo "-----OutPut-----"
    -----
    echo "List of all Directories here.."
    echo "showing all Directories..."
    echo "Loading.."
    sleep 3
    ls -d */
    echo " "

elif [ $opt1 == 11 ]
then

    echo "List of Files with Particular extensions here.."
    echo "Which type of file list you want to see?"
    echo "1- .c"
    echo "2- .sh"echo "3- .txt"
    echo "Enter your choice from 1-3"
    read extopt
    echo "-----OutPut-----"
    -----
    if [ $extopt == 1 ]
    then
        echo "List of .c Files shown below."
        echo "Loading.."
        sleep 3
        ls *.c

    elif [ $extopt == 2 ]
    then
        echo "List of .sh Files shown below."
        echo "Loading.."
        sleep 3
        ls *.sh
    elif [ $extopt == 3 ]
    then
        echo "List of .txt Files shown below."
        echo "Loading.."
        sleep 3
        ls *.txt

    else
        echo "Invalid Input..Try again.."
    
```

```

        fi
echo " "

elif [ $opt1 == 12 ]
then
    echo "-----OutPut-----"
    -----"
    echo "Total number of Directories here.."
    echo "Loading all directories.."
    sleep 3
    echo "Counting.."
    sleep 3
    echo "Number of Directories are : "
    echo */ | wc -w
echo " "

elif [ $opt1 == 13 ]
then
    echo "-----OutPut-----"
    -----"
    echo "Total Numbers of Files in Current Directory here.."
    echo "Loading all files.."
    sleep 3
    echo "Number of Files are : "
    ls -l | grep -v 'total' | grep -v '^d' | wc -l
echo " "
"
elif [ $opt1 == 14 ]
then
    echo "-----OutPut-----"
    -----"
    echo "Sort Files here.."
    echo "Your Request of Sorting file is Generated."
    echo "Sorting.."
    sleep 3
    ls | sort
echo " "

elif [ $opt1 == 0 ]
then
    echo "Good Bye.."
    echo "Successfully Exit"
    break
else
echo "Invalid Input..Try again...."
fi
i=$((i+1))
done

```