Ganpat University
(2CSE204) Basics of Operating System and Shell Scripting

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Sem – 2

Branch: CS

Class: B

Batch: 25

Practical-13

1. Set Write a script to make following file and directory management operations menu based:
   Display current directory
   List directory
   Make directory
   Change directory
   Copy a file
   Rename a file
   Delete a file
   Edit a file

┌──(jaimin㉿kali)-[~/BOSS]
└─$ cat practical_13.sh

```
display_current_directory() {
    echo "Current Directory: $(pwd)"
}

list_directory() {
    echo "Contents of Directory:"
    ls
}

make_directory() {
    read -p "Enter directory name: " dir_name
    mkdir "$dir_name"
    echo "Directory created: $dir_name"
}
```

```bash
change_directory() {
    read -p "Enter directory name: " dir_name
    cd "$dir_name"
    echo "Changed directory to: $(pwd)"
}

copy_file() {
    read -p "Enter source file path: " source_file
    read -p "Enter destination file path: " destination_file
    cp "$source_file" "$destination_file"
    echo "File copied successfully"
}

rename_file() {
    read -p "Enter current file name: " old_name
    read -p "Enter new file name: " new_name
    mv "$old_name" "$new_name"
    echo "File renamed successfully"
}

delete_file() {
    read -p "Enter file name: " file_name
    rm "$file_name"
    echo "File deleted successfully"
}

edit_file() {
    read -p "Enter file name: " file_name
    vi "$file_name"
}

while true; do
    echo "1. Display current directory"
    echo "2. List directory"
    echo "3. Make directory"
    echo "4. Change directory"
    echo "5. Copy a file"
    echo "6. Rename a file"
    echo "7. Delete a file"
    echo "8. Edit a file"
    echo "9. Exit"

    read -p "Enter your choice: " choice

    case $choice in
        1) display_current_directory ;;
        2) list_directory ;;
```

```
        3) make_directory ;;
        4) change_directory ;;
        5) copy_file ;;
        6) rename_file ;;
        7) delete_file ;;
        8) edit_file ;;
        9) break ;;
        *) echo "Invalid choice. Please enter a valid option." ;;
    esac
done
```

Output –

```
┌──(kali㉿kali)-[~/BOSS]
└─$ ./practical_13.sh
1. Display current directory
2. List directory
3. Make directory
4. Change directory
5. Copy a file
6. Rename a file
7. Delete a file
8. Edit a file
9. Exit
Enter your choice: 1
Current Directory: /home/kali/BOSS
```

```
1. Display current directory
2. List directory
3. Make directory
4. Change directory
5. Copy a file
6. Rename a file
7. Delete a file
8. Edit a file
9. Exit
Enter your choice: 2
Contents of Directory:
bash.sh  data.csv  datebook  practical_13.sh  test
```

```
1. Display current directory
2. List directory
3. Make directory
4. Change directory
5. Copy a file
6. Rename a file
7. Delete a file
8. Edit a file
9. Exit
Enter your choice: 3
Enter directory name: test1
Directory created: test1
```

```
7. Delete a file
8. Edit a file
9. Exit
Enter your choice: 2
Contents of Directory:
bash.sh  data.csv  datebook  practical_13.sh  test  test1
```

```
1. Display current directory
2. List directory
3. Make directory
4. Change directory
5. Copy a file
6. Rename a file
7. Delete a file
8. Edit a file
9. Exit
Enter your choice: 5
Enter source file path: /home/kali/BOSS/datebook
Enter destination file path: /home/kali/BOSS/test1
File copied successfully
```

```
1. Display current directory
2. List directory
3. Make directory
4. Change directory
5. Copy a file
6. Rename a file
7. Delete a file
8. Edit a file
9. Exit
Enter your choice: 8
Enter file name: datebook
```

kali@kali: ~/BOSS

File Actions Edit View Help
```
Vinh Tranh:438-910-7449:438-999-0000:8235 Maple Street, Wilmington, VM 29085:9/23/63:68900
Yukio Takeshida:387-827-1095:387-888-1198:13 Uno Lane, Ashville, NC 23556:7/1/29:57000
Tommy Savage:408-724-0140:408-777-0121:1222 Oxbow Court, Sunnyvale, CA 94087:5/19/66:34200
Jose Santiago:385-898-8357:38 Fife Way, Abilene, TX 39673:1/5/58:95600
Arthur Putie:923-835-8745:923-812-6789:23 Wimp Lane, Kensington, DL 38758:8/31/69:126000
Zippy Pinhead:834-823-8319:834-888-2343:2356 Bizarro Ave., Farmount, IL 84357:1/1/67:89500
Jesse Neal:408-233-8971:408-234-9812:45 Rose Terrace, San Francisco, CA 92303:2/3/36:25000
Sir Lancelot:837-835-8257:837-334-1212:474 Camelot Boulevard, Bath, WY 28356:5/13/69:24500
William Kopf:846-836-2837:846-888-8761:6937 Ware Road, Milton, PA 93756:9/21/46:43500
Lesley Kirstin:408-456-1234:408-222-2345:4 Harvard Square, Boston, MA 02133:4/22/62:52600
Barbara Kertz:385-573-8326:385-555-8321:832 Ponce Drive, Gary, IN 83756:12/1/46:268500
James Ikeda:834-938-8376:834-999-1112:23445 Aster Ave., Allentown, NJ 83745:12/1/38:45000
Ephram Hardy:293-259-5395:293-222-3334:235 CarltonLane, Joliet, IL 73858:8/12/20:56700
Paco Gutierrez:835-365-1284:835-333-1212:454 Easy Street, Decatur, IL 75732:2/28/53:123500
Lori Gortz:327-832-5728:327-833-3345:3465 Mirlo Street, Peabody, MA 34756:10/2/65:35200
Fred Fardbarkle:674-843-1385:674-222-4567:20 Parak Lane, DeLuth, MN 23850:4/12/23:780900
Karen Evich:284-758-2857:284-777-3666:23 Edgecliff Place, Lincoln, NB 92086:7/25/53:85100
Jon DeLoach:408-253-3122:408-222-1234:123 Park St., San Jose, CA 04086:7/25/53:85100
Jennifer Cowan:548-834-2348:548-888-6667:583 Laurel Ave., Kingsville, TX 83745:10/1/35:58900
Norma Corder:397-857-2735:397-857-7651:74 Pine Street, Dearborn, MI 23874:3/28/45:245700
Igor Chevsky:385-375-8395:385-333-8976:3567 Populus Place, Caldwell, NJ 23875:6/18/68:23400
Betty Boop:245-836-8357:245-876-7656:635 Cutesy Lane, Hollywood, CA 91464:6/23/23:14500
Steve Blenheim:238-923-7366:238-934-7865:95 Latham Lane, Easton, PA 83755:11/12/56:2030ddddddPRACTICAL_13
~
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-- VISUAL --
```