

# Lab-04

## File Creation

Code:

```
GNU nano 7.2                                file_c.sh
#!/bin/bash

read -p "Enter filename to create: " file

if [ -f "$file" ]; then
    echo "Error: File already exists!"
else
    touch "$file"

    if [ $? -eq 0 ]; then
        echo "File '$file' created successfully."
    else
        echo "Error creating file."
    fi
fi
```

Output:

```
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ nano file_c.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ chmod +x file_c.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ ./file_c.sh
Enter filename to create: scj
File 'scj' created successfully.
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ |
```

# File Copying

Code:

```
GNU nano 7.2                                copyfile.sh
#!/bin/bash

read -p "Enter file name to copy: " source
read -p "Enter new filename (destination): " dest

if [ -f "$source" ]; then

    cp "$source" "$dest"

    if [ $? -eq 0 ]; then
        echo "File copied successfully"
    else
        echo "Error copying file."
    fi
else
    echo "Source file does not exist."
fi
```

Output:

```
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ nano copyfile.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ chmod +x copyfile.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ ./copyfile.sh
Enter file name to copy: scj
Enter new filename (destination): Screenshots
File copied successfully
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ |
```

# File Moving

Code:

```
GNU nano 7.2 mvfile.sh
#!/bin/bash

read -p "Enter filename to move: " movefile
read -p "Enter new name/location: " newloc

if [ -f "$movefile" ]; then
    mv "$movefile" "$newloc"

    if [ $? -eq 0 ]; then
        echo "File moved successfully."
    else
        echo "Error moving file."
    fi
else
    echo "File does not exist."
fi
```

Output:

```
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ nano mvfile.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ chmod +x mvfile.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ ./mvfile.sh
Enter filename to move: scj
Enter new name/location: Screenshots
File moved successfully.
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ |
```

# File Deletion

Code:

```
GNU nano 7.2 delfile.sh
#!/bin/bash

read -p "Enter filename to delete: " delfile

if [ -f "$delfile" ]; then

    rm "$delfile"

    if [ $? -eq 0 ]; then
        echo "File deleted successfully."
    else
        echo "Error deleting file."
    fi
else
    echo "Error: File does not exist."
fi
```

Output:

```
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ nano delfile.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ chmod +x delfile.sh
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ ./delfile.sh
Enter filename to delete: Screenshots
File deleted successfully.
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop/SaiCJ-05/Lab-3$ |
```