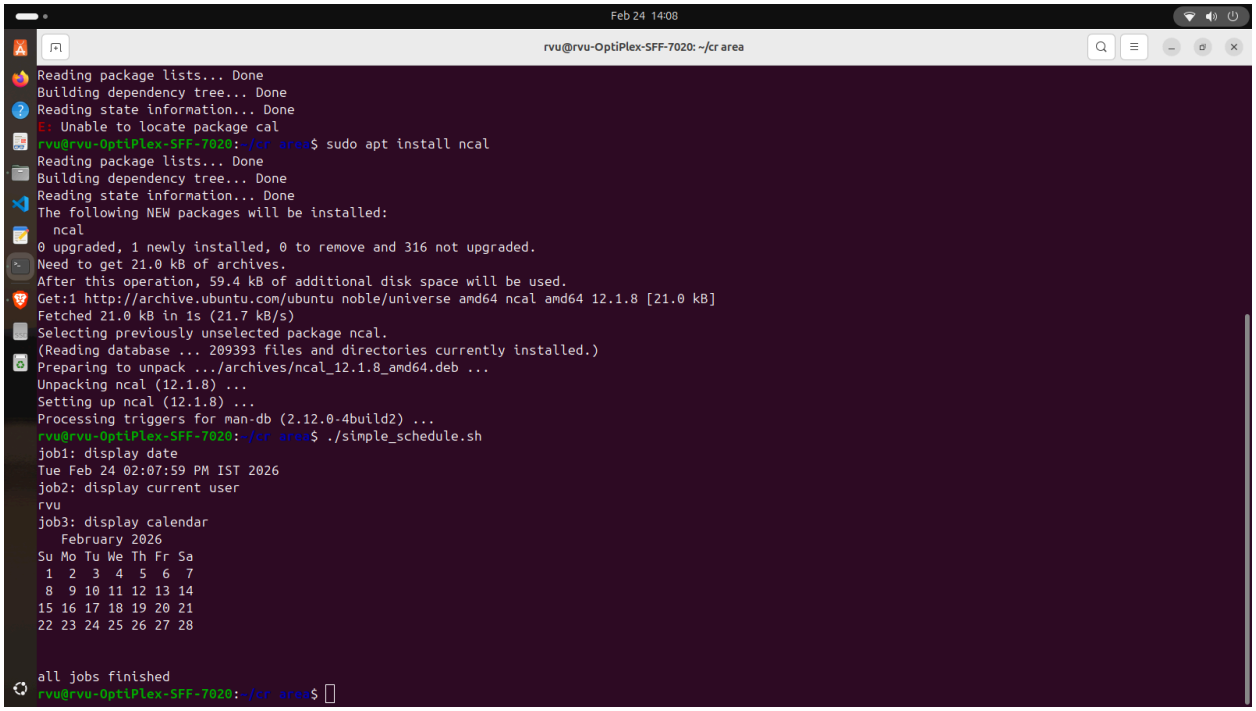
```
echo "job1: display date"
date
sleep 3
echo "job2: display current user"
whoami
sleep 3
echo "job3: display calendar"
cal
echo "all jobs finished"
```

Date cmd show the date.
Whoami shows the current user.
Cal show the calender of current month



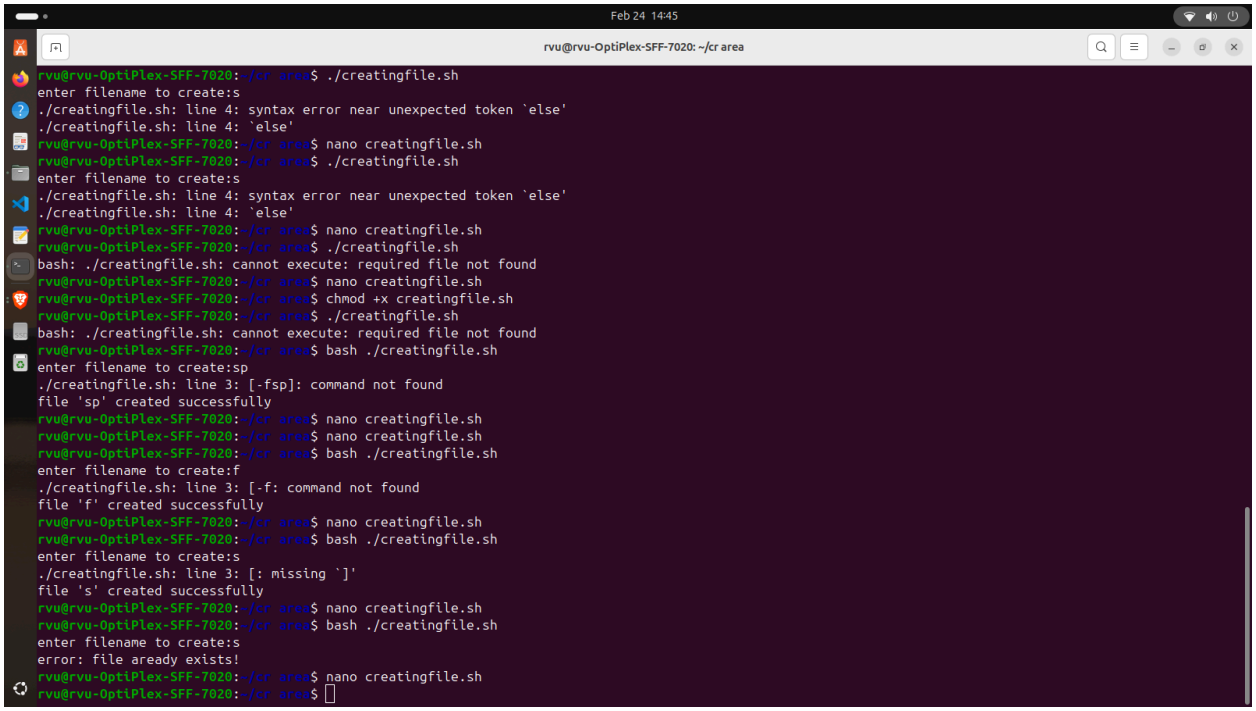
Output of file simple_scheduling.sh

```
#!bin/bash
read -p "enter filename to create:" file
if [ -f "$file" ]; then
        echo "error: file aready exists!"
else
        touch "$file"

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

In this creatingfile.sh file we are going to create a file and check if it exists or not.

1. By read cmd we are taking file names.
2. In 2 line we are checking if the file exists or not using -f “$file” cmd.
3. And else we are giving touch cmd to create file.
4. We created a nested if for printing a success message.

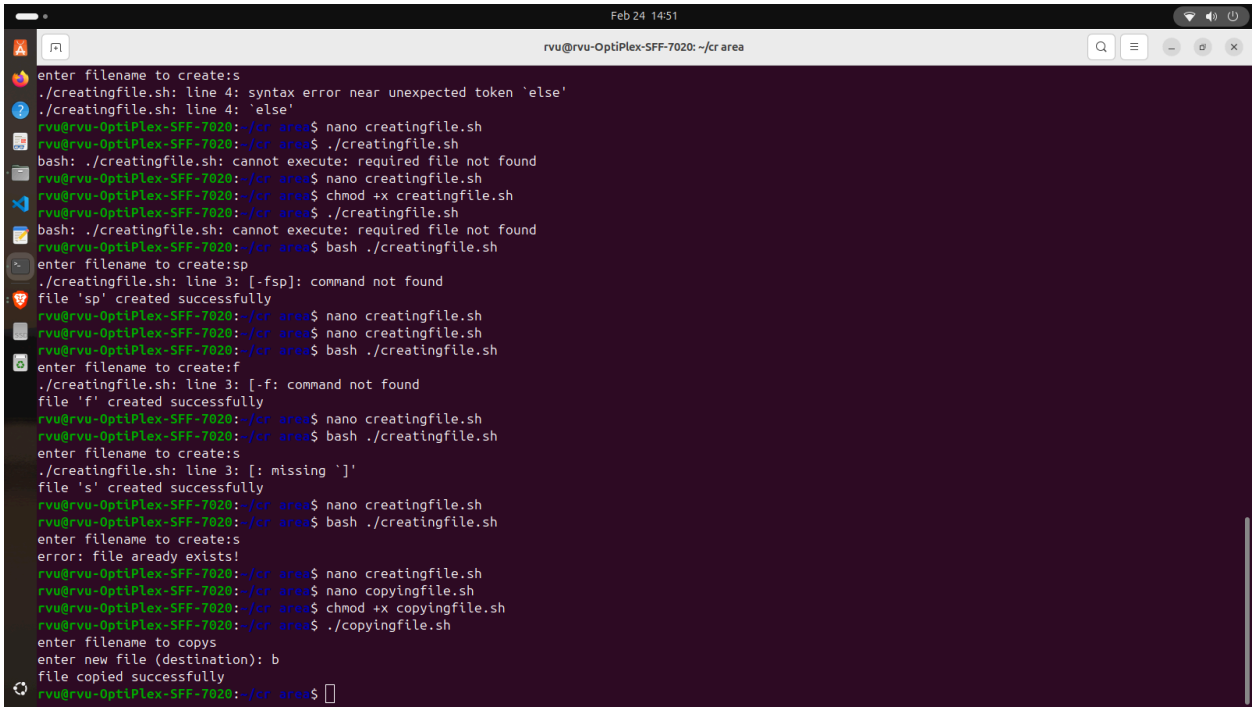


Output of previous one.

```
read -p "enter filename to copy" source
read -p "enter new file (destination): " dest
if [ -f "$source" ]; then
        cp "$source" "$dest"
        if [ $? -eq 0 ]; then
                echo "file copied successfully"
        else
                echo "error copying file"
        fi
fi
```

In copyingfile.sh we are going to create program for copying file from source to destination.

1. 1 line we are taking filename and storing in source.
2. 2line we are taking filename and storing it in dest.
3. Then we are starting if in which we are checking if the condition of the file exists or not if yes, then copy to dest.
4. And there is a nested if which tells you file is successfully created or not.



output of program above.

```
read -p "enter filename to move" movefile
read -p "enter new new/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 "error: file to move does not exist"
fi
```


Program for moving the file from source to destination.

```
enter filename to create.s
error: file aready exists!
rvu@rvu-OptiPlex-SFF-7020:~/cr area$ nano creatingfile.sh
rvu@rvu-OptiPlex-SFF-7020:~/cr area$ nano copyingfile.sh
rvu@rvu-OptiPlex-SFF-7020:~/cr area$ chmod +x copyingfile.sh
rvu@rvu-OptiPlex-SFF-7020:~/cr area$ ./copyingfile.sh
enter filename to copys
enter new file (destination): b
file copied successfully
rvu@rvu-OptiPlex-SFF-7020:~/cr area$ nano copyingfile.sh
rvu@rvu-OptiPlex-SFF-7020:~/cr area$ nano movingfile.sh
rvu@rvu-OptiPlex-SFF-7020:~/cr area$ chmod +x movingfile.sh
rvu@rvu-OptiPlex-SFF-7020:~/cr area$ ./movingfile.sh
enter filename to moves
enter new new/location..desktop
file moved successfully
rvu@rvu-OptiPlex-SFF-7020:~/cr area$
```

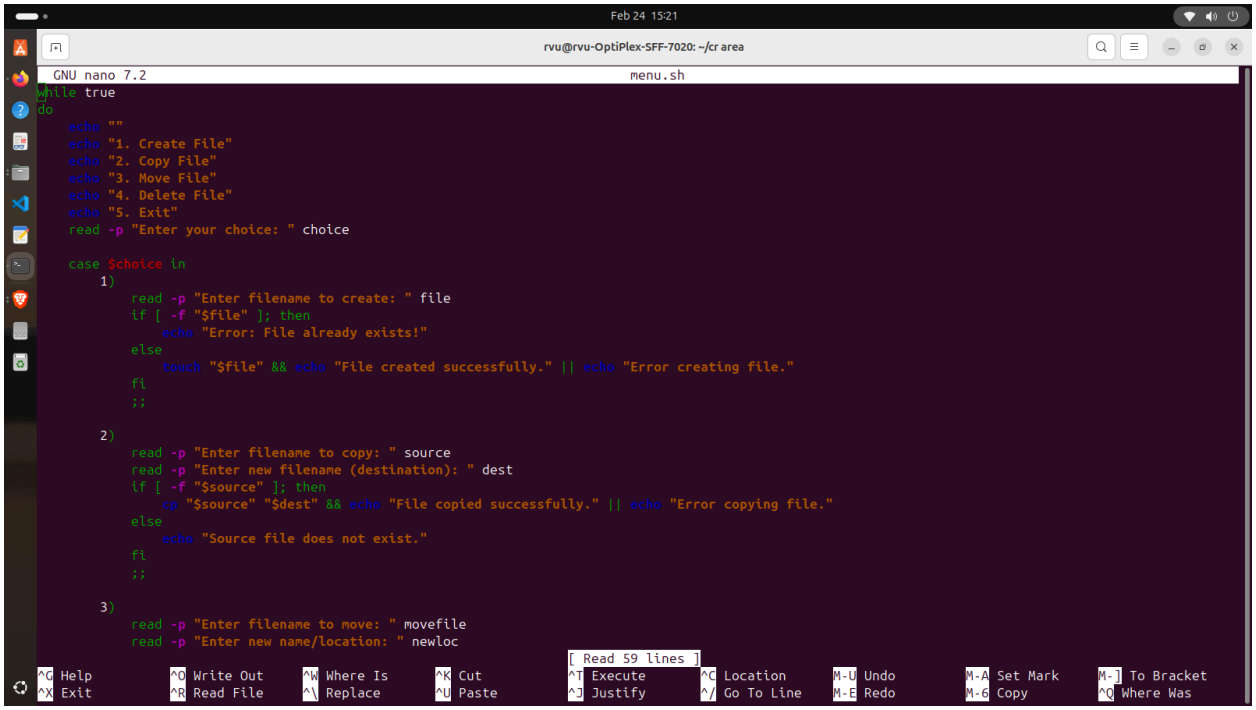
Output

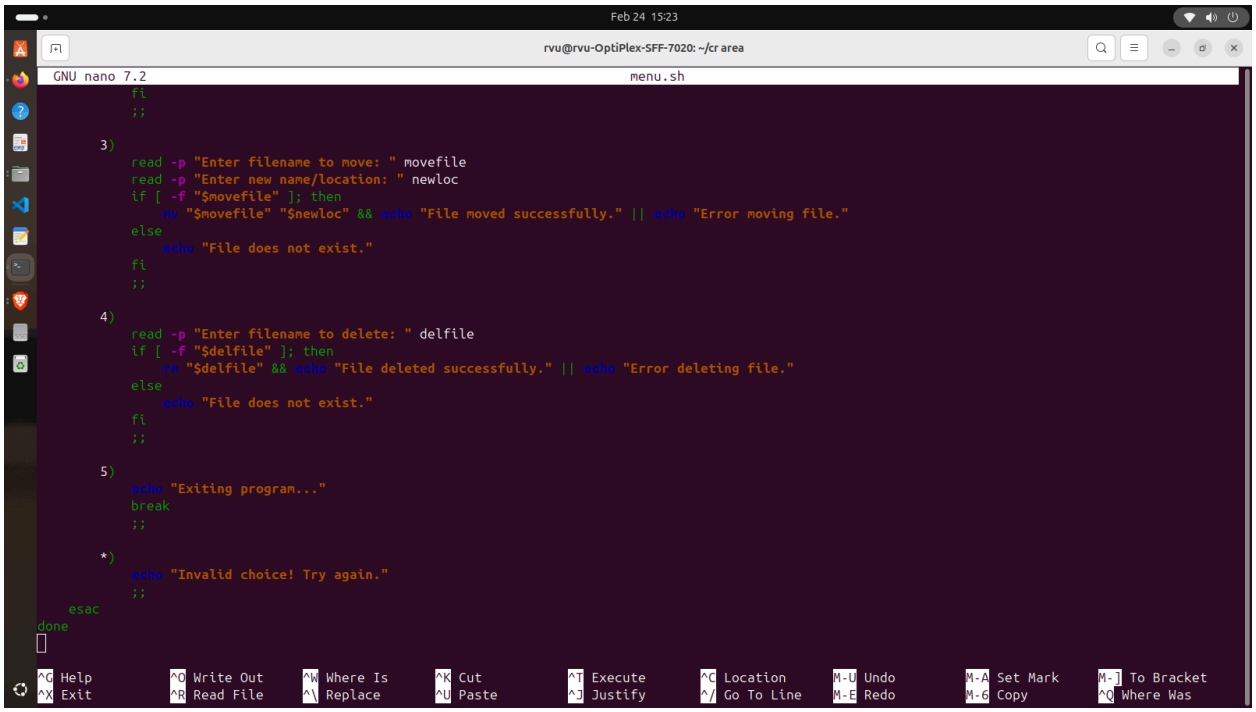
```
GNU nano 7.2                                                    deletin
read -p "enter filename to delete" delfile
if [ -f "$delfile" ]; then
        rm "$delfile"
        if [ $? -eq 0 ]; then
                echo "file deleted successfully"
        else
                echo "error deleting file"
        fi
else
        echo "error: file does not exist"
fi
```

Program for deleting the file.

```
rvu@rvu-OptiPlex-SFF-7020:~/cr area$ ./movingfile.sh
enter filename to moves
enter new new/location..desktop
file moved successfully
rvu@rvu-OptiPlex-SFF-7020:~/cr area$ nano movingfile.sh
rvu@rvu-OptiPlex-SFF-7020:~/cr area$ nano deletingfile.sh
rvu@rvu-OptiPlex-SFF-7020:~/cr area$ chmod +x deletingfile.sh
rvu@rvu-OptiPlex-SFF-7020:~/cr area$ ./deletingfile.sh
enter filename to deletes
error: file does not exist
rvu@rvu-OptiPlex-SFF-7020:~/cr area$ ./deletingfile.sh
enter filename to deleteg
error: file does not exist
rvu@rvu-OptiPlex-SFF-7020:~/cr area$ ./deletingfile.sh
enter filename to deletesp
file deleted successfully
rvu@rvu-OptiPlex-SFF-7020:~/cr area$
```

Output


Feb 24 15:21
rvu@rvu-OptiPlex-SFF-7020: ~/cr area
GNU nano 7.2 menu.sh
while true
do
echo ""
echo "1. Create File"
echo "2. Copy File"
echo "3. Move File"
echo "4. Delete File"
echo "5. Exit"
read -p "Enter your choice: " choice
case $choice in
1)
read -p "Enter filename to create: " file
if [-f "$file"]; then
echo "Error: File already exists!"
else
touch "$file" && echo "File created successfully." || echo "Error creating file."
fi
;;
2)
read -p "Enter filename to copy: " source
read -p "Enter new filename (destination): " dest
if [-f "$source"]; then
cp "$source" "$dest" && echo "File copied successfully." || echo "Error copying file."
else
echo "Source file does not exist."
fi
;;
3)
read -p "Enter filename to move: " movefile
read -p "Enter new name/location: " newloc
[Read 59 lines]
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^Q Where Was


Feb 24 15:23
rvu@rvu-OptiPlex-SFF-7020: ~/cr area
GNU nano 7.2 menu.sh
fi
;;
3)
read -p "Enter filename to move: " movefile
read -p "Enter new name/location: " newloc
if [-f "$movefile"]; then
mv "$movefile" "$newloc" && echo "File moved successfully." || echo "Error moving file."
else
echo "File does not exist."
fi
;;
4)
read -p "Enter filename to delete: " delfile
if [-f "$delfile"]; then
rm "$delfile" && echo "File deleted successfully." || echo "Error deleting file."
else
echo "File does not exist."
fi
;;
5)
echo "Exiting program..."
break
;;
*)
echo "Invalid choice! Try again."
;;
esac
done
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^Q Where Was