MINIPROJECT on CD MANAGEMENT

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ABSTRACT

Objective :

This software is basically a CD management software which can be used in a CD's store. It keeps the record of all the CD's present in the CD's store and we can also add more records for the fresh arrivals. This project can search the CD's available in the store, by various modes like Singer name, CD name.

Requirements :

- The three requirements – updating , searching and displaying the data. All the data you need to store is textual.

ABSTRACT

Concepts :

This program uses the concept of shell programming.

- Functions
- Files
- Command with options(i.e., echo –e , track , etc.,)
- Control structures

Data files used :

- title.cdb , tracks.cdb , temp_file

ANALYSIS

MODULES:

1 : ADDING
2 : MODIFYING
3 : DELETING
4 : SEARCHING
5 : DISPLAYING

MODULES DESCRIPTION

Module 1:

- Adding the details of a new CD:

The user enters the track information for this CD, catalog name, title, type and artist or composer.

Module 2:

- Modifying the data of an CD:

This allows you to re-enter information for a CD . Notice that you search(using grep) for lines that start (^)with the $cdcatnum followed by a comma ,and that you need to wrap the expansion of $cdcatnum in {}.

MODULES DESCRIPTION

Module 3:

- Deleting a CD details:

This strips entries from the database files, using grep –v to remove all matching strings. Notice that you must use a temprary file(temp_file).

Module 4:

- Searching for a CD:

This searches for the catalog name text in the CD title file, using the grep command.

MODULES DESCRIPTION

Module 5:

- Displaying the list of all CD's:

This opens the temporary file reads one by one and then displays all the tracks list .

All the modules uses the data files declared globally.

DESIGN OF THE ROJECT

FLOWHARI.DOCX

Hardware/Software Requirements

HARDWARE	SOFTWARE
Linux environment	Processor : SoC
Vi editor – Shell programming	RAM : 2 GB -64 bit
	Hard disk: 20 GB – 64 bit

Status of the project

TASK	PERCENTAGE COMPLETE
Analysis	100%
Design	81%
Development	100%

CONCLUSION

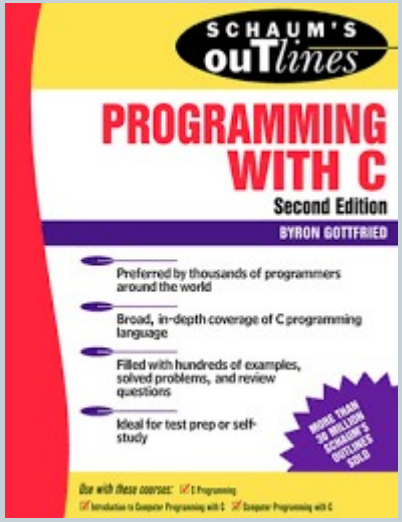
- This system provides an easy way for the operator to interact with the database and to manipulate the data in the database.
- The operator can add, delete and update the records in the database with ease.
- Provide easy, accurate, unambiguous and faster data access.

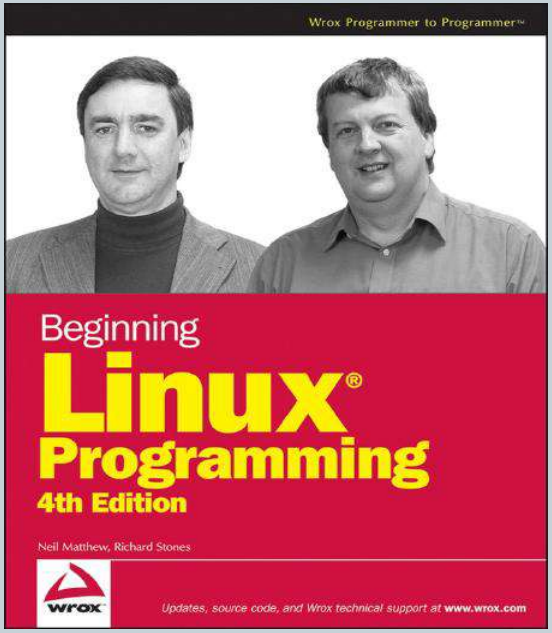
REFERENCES

The project is referred from :

Beginning Linux Programming 4th edition

Nail Matthew, Richard Stones

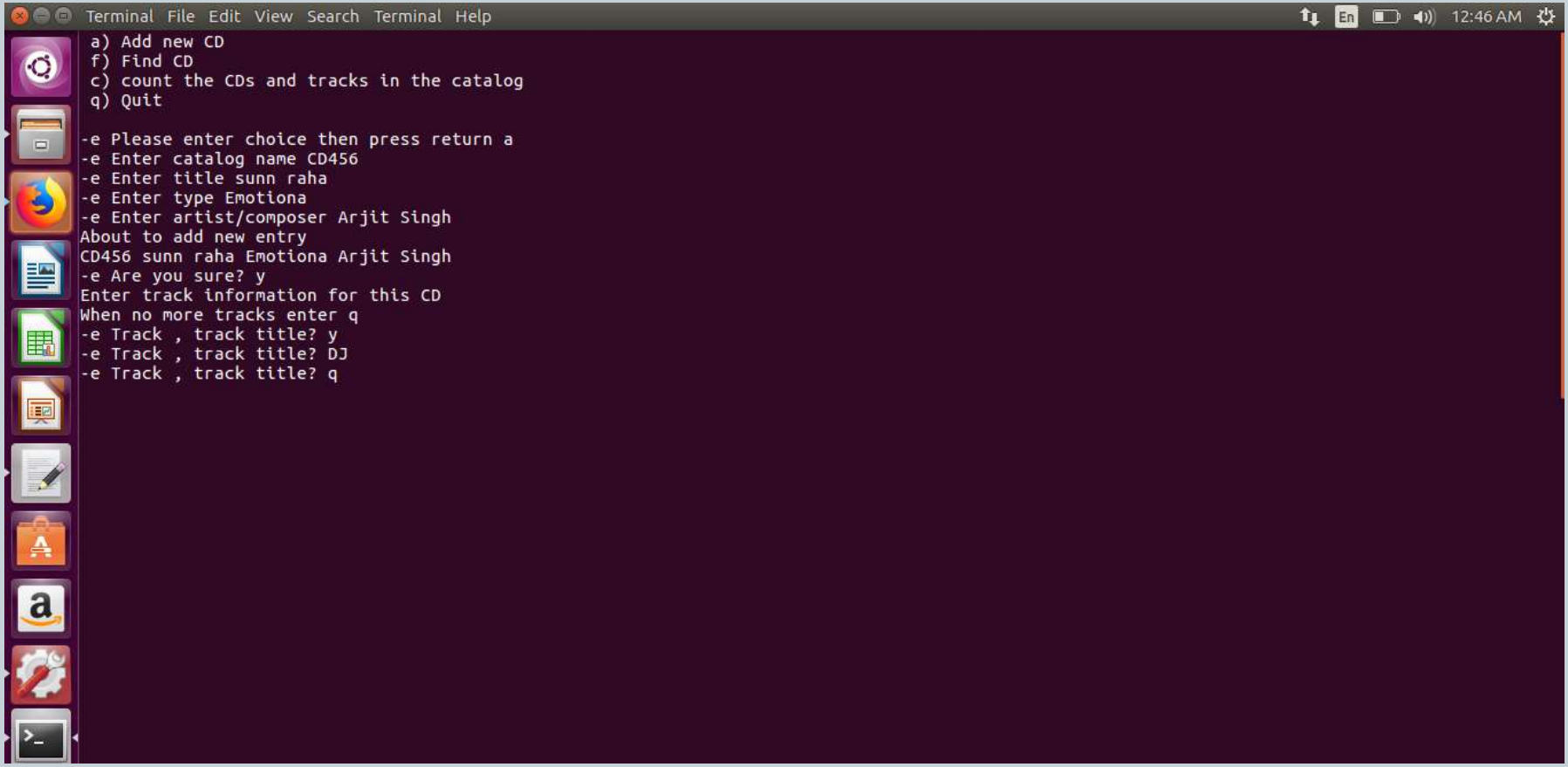




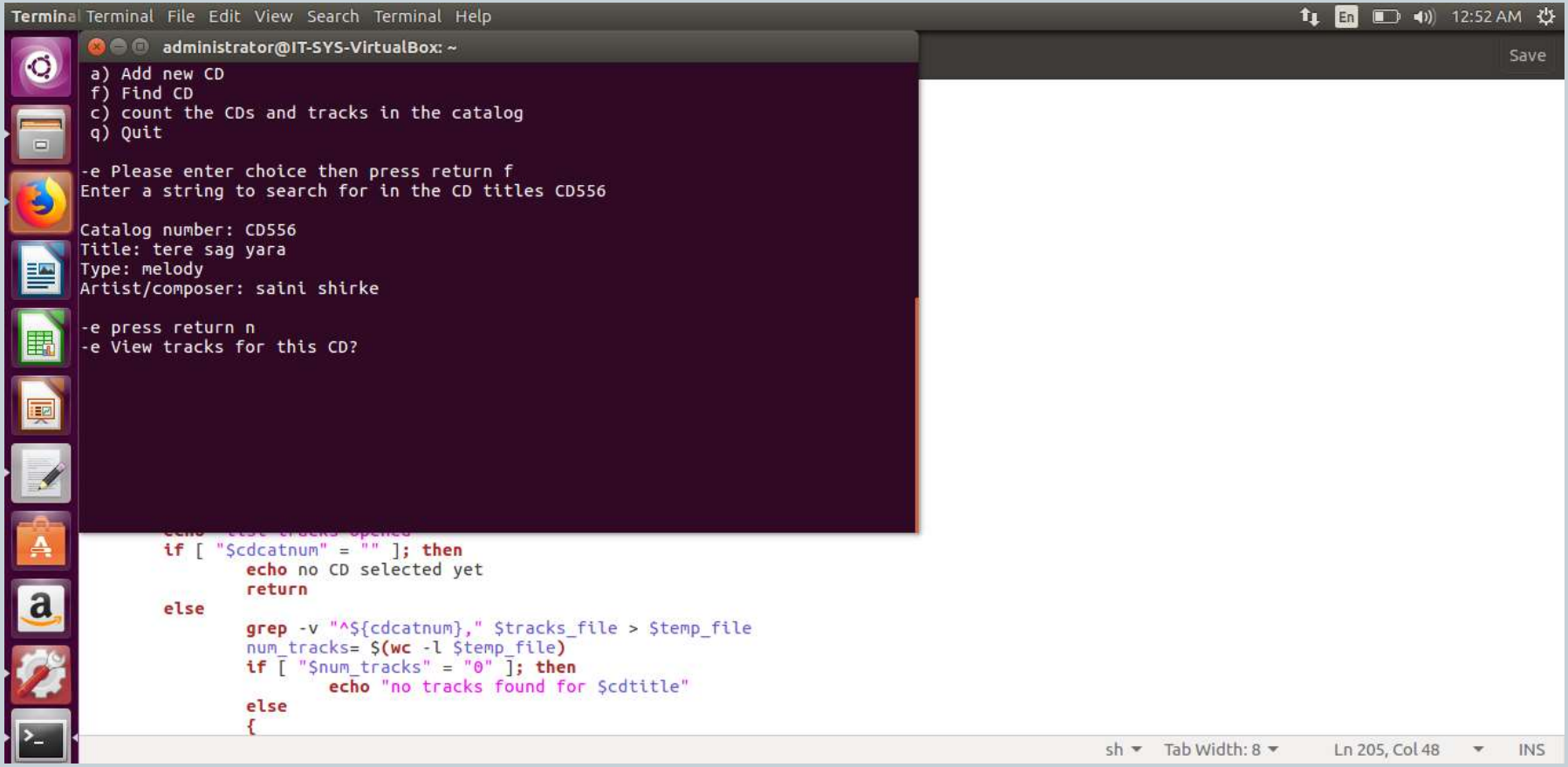
RESULTS

- This system is very simple in design and to implement.
- This project main intention is to make task easy for CD database.
- Easy handling of huge amount of data regarding CD tracks.

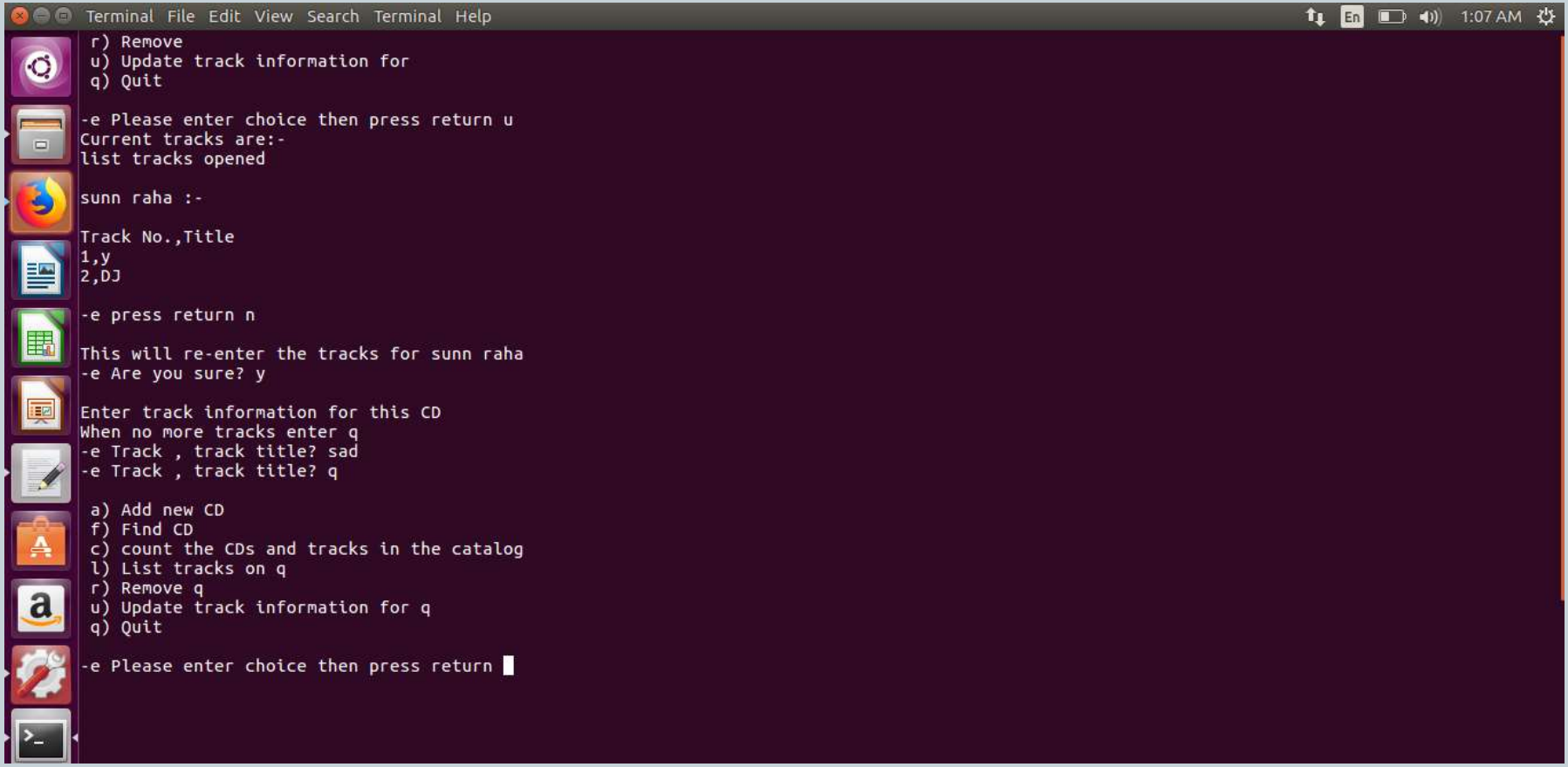
RESULTS


Terminal File Edit View Search Terminal Help
En
12:46 AM
a) Add new CD
f) Find CD
c) count the CDs and tracks in the catalog
q) Quit
-e Please enter choice then press return a
-e Enter catalog name CD456
-e Enter title sunn raha
-e Enter type Emotiona
-e Enter artist/composer Arjit Singh
About to add new entry
CD456 sunn raha Emotiona Arjit Singh
-e Are you sure? y
Enter track information for this CD
When no more tracks enter q
-e Track , track title? y
-e Track , track title? DJ
-e Track , track title? q

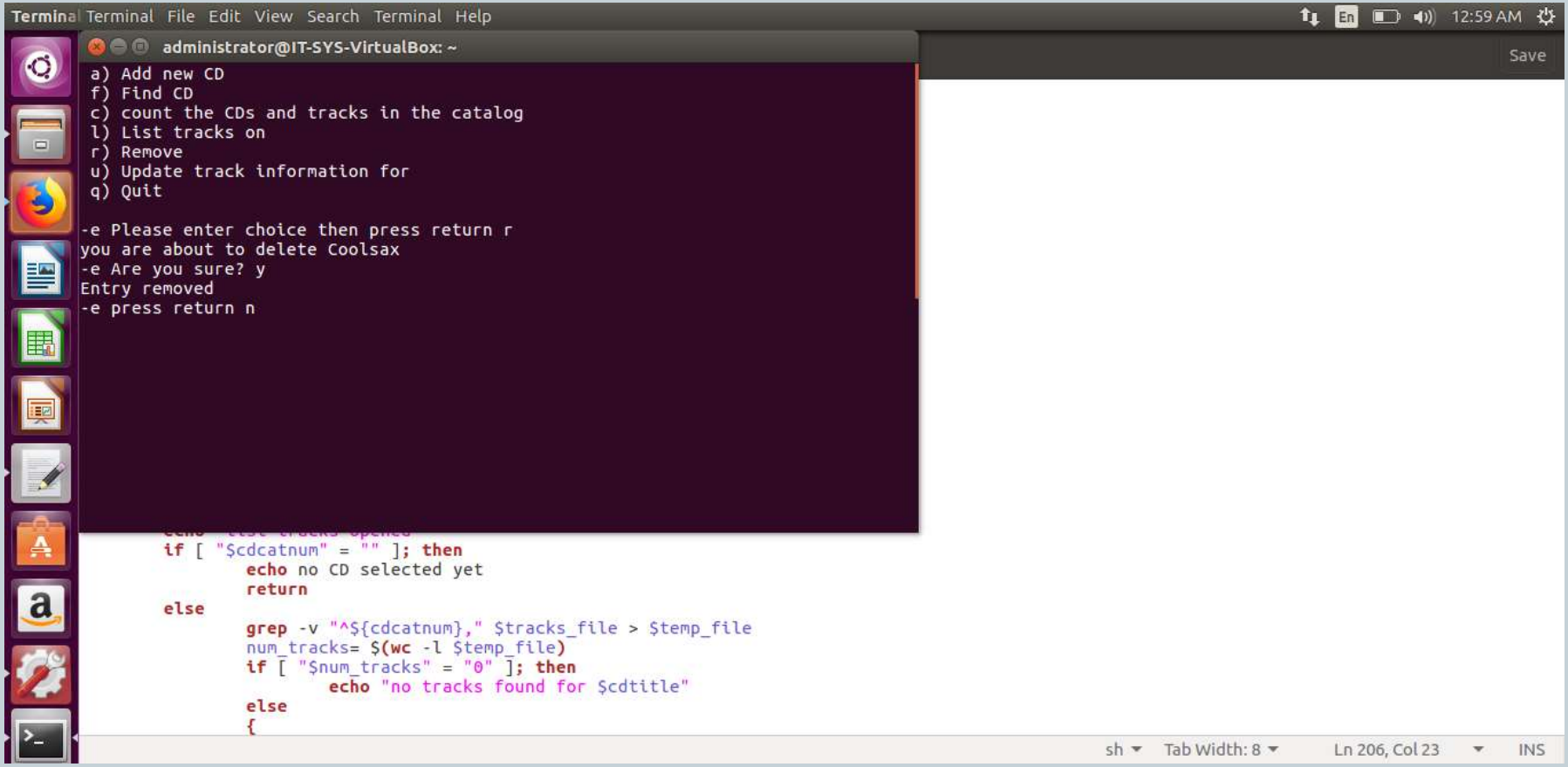
RESULTS


Terminal Terminal File Edit View Search Terminal Help
12:52 AM
administrator@IT-SYS-VirtualBox: ~
Save
a) Add new CD
f) Find CD
c) count the CDs and tracks in the catalog
q) Quit
-e Please enter choice then press return f
Enter a string to search for in the CD titles CD556
Catalog number: CD556
Title: tere sag yara
Type: melody
Artist/composer: saini shirke
-e press return n
-e View tracks for this CD?
if ["$cdcatnum" = ""]; then
echo no CD selected yet
return
else
grep -v "^${cdcatnum}," $tracks_file > $temp_file
num_tracks= $(wc -l $temp_file)
if ["$num_tracks" = "0"]; then
echo "no tracks found for $cdtitle"
else
{
sh
Tab Width: 8
Ln 205, Col 48
INS

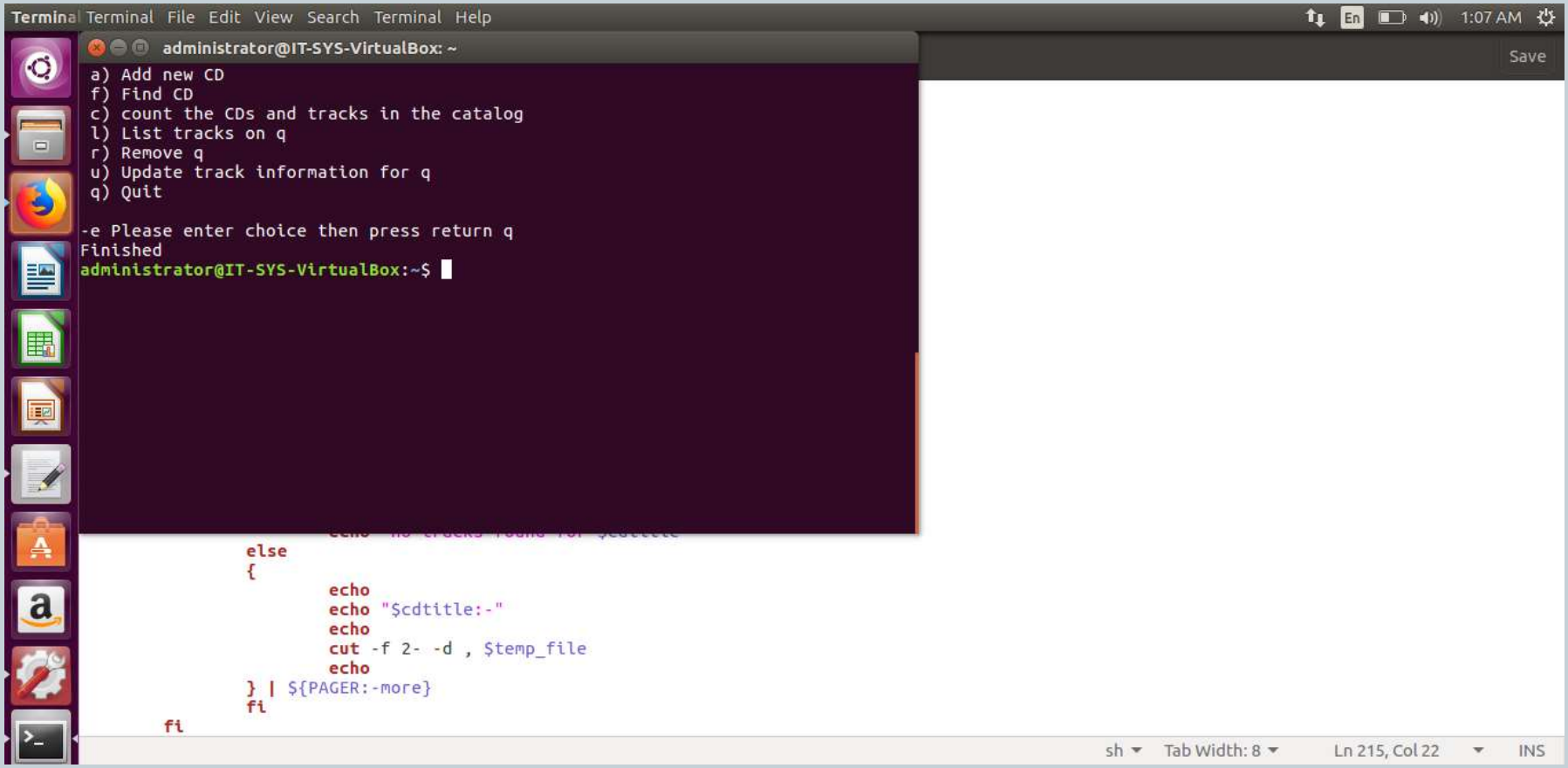
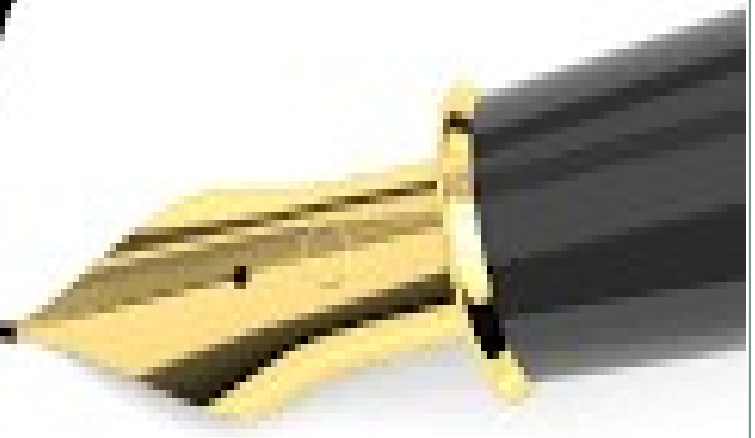
RESULTS


Terminal File Edit View Search Terminal Help
En
1:07 AM
r) Remove
u) Update track information for
q) Quit
-e Please enter choice then press return u
Current tracks are:-
list tracks opened
sunn raha :-
Track No.,Title
1,y
2,DJ
-e press return n
This will re-enter the tracks for sunn raha
-e Are you sure? y
Enter track information for this CD
When no more tracks enter q
-e Track , track title? sad
-e Track , track title? q
a) Add new CD
f) Find CD
c) count the CDs and tracks in the catalog
l) List tracks on q
r) Remove q
u) Update track information for q
q) Quit
-e Please enter choice then press return

RESULTS


Terminal Terminal File Edit View Search Terminal Help
En 12:59 AM
administrator@IT-SYS-VirtualBox: ~
Save
a) Add new CD
f) Find CD
c) count the CDs and tracks in the catalog
l) List tracks on
r) Remove
u) Update track information for
q) Quit
-e Please enter choice then press return r
you are about to delete Coolsax
-e Are you sure? y
Entry removed
-e press return n
if ["$cdcatnum" = ""]; then
echo no CD selected yet
return
else
grep -v "^${cdcatnum}," $tracks_file > $temp_file
num_tracks= $(wc -l $temp_file)
if ["$num_tracks" = "0"]; then
echo "no tracks found for $cdtitle"
else
{
sh Tab Width: 8 Ln 206, Col 23 INS

RESULTS


Terminal Terminal File Edit View Search Terminal Help
1:07 AM
administrator@IT-SYS-VirtualBox: ~
Save
a) Add new CD
f) Find CD
c) count the CDs and tracks in the catalog
l) List tracks on q
r) Remove q
u) Update track information for q
q) Quit
-e Please enter choice then press return q
Finished
administrator@IT-SYS-VirtualBox:~$
else
{
echo
echo "$cdtitle:-"
echo
cut -f 2- -d , $temp_file
echo
} | ${PAGER:-more}
fi
fi
sh
Tab Width: 8
Ln 215, Col 22
INS

Thank you