**CODE**

menu\_choice=""

record\_file="bookRecords.ldb"

temp\_file=/tmp/ldb.$$

touch $temp\_file; chmod 644 $temp\_file

trap 'rm -f $temp\_file' EXIT

get\_return(){

printf '\n\nPress return\n'

read x

return 0

}

get\_confirm(){

printf '\tAre you sure?\n'

while true

do

read x

case "$x" in

y|yes|Y|Yes|YES)

return 0;;

n|no|N|No|NO)

printf '\ncancelled\n'

return 1;;

\*) printf 'Please enter yes or no';;

esac

done

}

set\_menu\_choice(){

clear

printf "\n\t\t\t\t\t\t\t\tSTUDENT'S LIBRARY"

printf '\n\n\n'

printf 'a) Add new Books records\n'

printf 'b) Find Books\n'

printf 'c) Edit Books\n'

printf 'd) Remove Books\n'

printf 'e) View Books\n'

printf 'f) Quit\n'

printf 'Please enter the choice then press return\n'

read menu\_choice

return

}

insert\_record(){

echo $\* >>$record\_file

return

}

#!!!!!!!!!...........................!!!!!!!!!!!!!!!!

#This function ask user for details information about book for keeping records

add\_books(){

#prompt for information

printf 'Enter Books category:-'

read tmp

liCatNum=${tmp%%,\*}

printf 'Enter Books title:-'

read tmp

liTitleNum=${tmp%%,\*}

printf 'Enter Auther Name:-'

read tmp

liAutherNum=${tmp%%,\*}

#Check that they want to enter the information

printf 'About to add new entry\n'

printf "$liCatNum\t$liTitleNum\t$liAutherNum\n"

#If confirmed then append it to the record file

if get\_confirm; then

insert\_record $liCatNum,$liTitleNum,$liAutherNum

fi

return

}

find\_books(){

echo "Enter book title to find:"

read book2find

grep $book2find $record\_file > $temp\_file

# set $(wc -l $temp\_file)

# linesfound=$1

linesfound=`cat $temp\_file|wc -l`

case `echo $linesfound` in

0) echo "Sorry, nothing found"

get\_return

return 0

;;

\*) echo "Found the following"

cat $temp\_file

get\_return

return 0

esac

return

}

remove\_books() {

# $temp\_file

#set $(wc -l $temp\_file)

#linesfound=$1

linesfound=`cat $record\_file|wc -l`

case `echo $linesfound` in

0) echo "Sorry, nothing found\n"

get\_return

return 0

;;

\*) echo "Found the following\n"

cat $record\_file ;;

esac

printf "Type the books titel which you want to delete\n"

read searchstr

if [ "$searchstr" = "" ]; then

return 0

fi

grep -v "$searchstr" $record\_file > $temp\_file

mv $temp\_file $record\_file

printf "Book has been removed\n"

get\_return

return

}

view\_books(){

printf "\nList of books are:\n"

cat $record\_file

get\_return

return

}

edit\_books(){

printf "list of books are\n"

cat $record\_file

printf "Type the tile of book you want to edit\n"

read searchstr

if [ "$searchstr" = "" ]; then

return 0

fi

grep -v "$searchstr" $record\_file > $temp\_file

mv $temp\_file $record\_file

printf "Enter the new record"

add\_books

}

rm -f $temp\_file

if [!-f $record\_file];then

touch $record\_file

fi

clear

printf '\n\n'

printf 'Mini library Management'

quit="n"

while [ "$quit" != "y" ];

do

#funtion call for choice

set\_menu\_choice

case "$menu\_choice" in

a) add\_books;;

b) find\_books;;

c) edit\_books;;

d) remove\_books;;

e) view\_books;;

f) quit=y;;

\*) printf "Sorry, choice not recognized";;

esac

done

rm -f $temp\_file

echo "Finished"

exit 0