while [ 1 ]

do

echo 1.Create 2.Display 3.Insert 4.Search 5.Modify 6.Delete 7.Exit

echo "Enter Choice : "

read ch

case $ch in

1)

echo "Enter File name :"

read fname

if [ -e $fname ]

then

echo "File already exists"

else

>>$fname

echo "File Create Successfully.."

fi

;;

2)

echo "Enter the file name"

read fname

if [ -e $fname ]

then

echo "The content of file "

sort -n $fname

else

echo "file not exists : "

fi

;;

3)

echo "Enter file name : "

read fname

if [ -e $fname ]

then

echo -n "Enter the roll no. : "

read roll

grep -w "$roll" $fname

ans=$?

echo answer=$ans

if [ $ans -eq 0 ]

then

echo "Record Already exists "

else

echo -n "Enter name :"

read name

echo "$roll $name" >> $fname

echo "Record Inserted Successfully "

fi

else

echo "File not found "

fi

;;

4)

echo -n "Enter the file name : "

read fname

if [ -e $fname ]

then

echo -n "Enter the roll no : "

read roll

grep -w "$roll" $fname

ans=$?

if [ $ans -eq 0 ]

then

echo "Record found"

else

echo "Record not found"

fi

else

echo "File not found"

fi

;;

5)

echo -n "Enter the file name : "

read fname

if [ -e $fname ]

then

echo -n "Enter the roll no to delete : "

read roll

grep -w "$roll" $fname

ans=$?

if [ $ans -eq 0 ]

then

echo -n "Enter new roll number and new name : "

read nroll nname

grep -w "$nroll" $fname

ans=$?

if [ $ans -eq 0 ]

then

echo "Record already exists, please try another roll no"

else

# First remove the old record

grep -v "$roll" $fname >> temp

# Then add the new record to the temp file

echo "$nroll $nname" >> temp

# Replace the original file with the updated temp file

rm $fname

cp temp $fname

rm temp

echo "Record successfully modified"

fi

else

echo "Record not present"

fi

else

echo "File not exists"

fi

;;

6)

echo -n "Enter the file name"

read fname

if [ -e $fname ]

then

echo -n "Enter roll number"

read roll

grep -w "$roll" $fname

ans=$?

if [ $ans -eq 0 ]

then

grep -v "$roll" $fname >> temp

rm $fname

cp temp $fname

rm temp

echo "Recod successfully deleted"

else

echo "Record doesnot found"

fi

else

echo "File not found"

fi

;;

7)exit

;;

8) echo "Your choice is not correct "

;;

esac

done