**public class RecordOperations** {

public static int Deletedindex=0;

public static boolean deletedfound=false;

public static int Primaryindex=0;

public static boolean updating=false;

**public static void SetRecords**()

{

get NumberOffield of table.

Create records array.

for(Numberoffield)

{

//while updating, not ask primary

if(updating==true && i==0)

i++;

if(i==0)

{

Get primary name

Checksize and CheckPrimary. (Is it used before)

else

{ Get other fields information

Check size of information

}

**public static void insertRecord**()

find table on the catalog=FoundTable(CAT,RdFile,in);

open that table’s file and primary file.

if(found==true)

{

Send to SetRecords();

Increase NumberofRecords++;

writeToPrimaryFile();

writeToTableFile();

writeNumberOfrecords();

writeNumberOfRecordToCatalog();

}

else if(found==false)

{

System.out.println("wrong table name");

return;

}

}

**private static void writeNumberOfRecordToCatalog**()

Go to current table information on the catalog file by index of current table.

Go to last field final, write new record number }

**public static void writeToTableFile**() {

for(int i=0;i<256;i++)

{

Write information to array

}

if(deletedfound==true&& updating==false)

{

Write over deleted record

}

if(updating==true)

{

Write new information to updated record

}

else

{

RdTFile.seek(256+CAT.CatalogTable.NumberofRecords\*256);

RdTFile.write(b);

}

}

p**ublic static void writeNumberOfrecords**()

{

Write number of records to first 2 bytes of table’s file

}

**public static void writeToPrimaryFile**(){

byte[] b=new byte[24];

byte[] array;

for(int i=0;i<24;i++)

{

Write primary name to array

}

CheckForDeleted(CAT, RdPrim);

if(deletedfound==true)

{

RdPrim.seek((Deletedindex)\*24);

RdPrim.write(b);

}

else

{

RdPrim.seek((CAT.CatalogTable.NumberofRecords-1)\*24);

RdPrim.write(b);

}

}

**public static boolean CheckPrimary**(){

byte[] b=new byte[24];

int NoOfRecord=CAT.CatalogTable.NumberofRecords;

boolean PrimFound=false;

int Checkinteger=Integer.parseInt(s);// is primarayname integer or not

for(NoOfRecord)

{

if(is not deleted)

{

Check same or not

If same make primfound true }

}

else if(temp.charAt(20)=='1')

{

NoOfRecord++;

}

else if(i==NoOfRecord-1)

{

return PrimFound;

}

}

return PrimFound;

}

**public static void DeleteRecord**(){

Find table on the catalog

if(tablefound==true)

{

Open this table’s file and primary file.

DeleteRecordsfromFiles(CAT, in,RdPrim,RdTFile);

CAT.CatalogTable.NumberofRecords--;

writeNumberOfrecords(CAT, RdTFile);

writeNumberOfRecordToCatalog(CAT, RdFile);

}

else if(tablefound==false)

{

System.out.println("wrong table name");

return;

}

}

**private static void DeleteRecordsfromFiles**()

int NoOfRecord=CAT.CatalogTable.NumberofRecords;

System.out.println("Please enter " +CAT.CatalogTable.fields[0].name +" that you want to delete");

Get primary name of record

for(int i=0;i<NoOfRecord;i++)

make 20Th byte 1

//delete from table file

for(int i=0;i<NoOfRecord;i++)

{

make 20Th byte 1 }

**public static void CheckForDeleted**()

{

Get NoOfRecords

for(int i=0;i<NoOfRecords;i++)

{

if(any 20th byte 1){

make static deletedfound=true;

}

else if()

{

Deletedindex=i;

deletedfound=false;

break;

}

**private static boolean FoundTable**()

{

boolean tablefound=false;

int TableCount=CAT.NumberOfTables;

System.out.println("Please Enter The Name of Table");

Check size

if(CAT.CatalogTable.TableName.compareTo(s)!= 0)

{

for(tablecount

{

If same tablename

Make it current table.

CAT.RefreshTable(temp,i);

CAT.CatalogTable.CurrentIndex = i + 1;

Check also is there any deleted.

}

}

**public static void ListAllRecords**()

Boolean found=FoundTable(CAT,RdFile,in);

Open table’s file

else if(found==true)

{

for(int i=0;i<=NoOfRecords;i++)

{

Write records

}

**public static void UpdateRecords**() {

Boolean found=FoundTable(CAT,RdFile,in);

Open table’s file

updating=true;

SetRecords(CAT, in, RdPrim);

writeToTableFile(CAT, RdTFile);

updating=false;

}

**public static void SearchRecords**()

{

Boolean found=FoundTable(CAT,RdFile,in);

int tablePrimary;

System.out.println("Please Enter The "+CAT.CatalogTable.fields[0].name +" that you want to update")

Get input from user

System.out.println("Which records do you wanna see bigger(>), less(<) or equal(=)");

Get input from user

If(bigger)

Seek,read and write bigger primary records.

If(less)

Seek,read and write bigger primary records.

If(equal)

Seek,read and write bigger primary records.