public class TableOperations {

public static void CreateTable(Catalog CAT,RandomAccessFile RdFile,BufferedReader in) throws IOException{

Get tablename.

check tablename length

check isTableName used before.

Check is there any deleted table.

Then Setfields; Get fields name and size from the user.

Then writeToCatalogFile() or writeToDeletedTable); After last table or over deleted table

NumberOfTables++;

writeNumberOftables(); to first page of catalog file

create table’s file and primary’s file

if table number==10 you reached the limit of table

**public void writeToCatalogFile(){**

{

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

{

Write table information to array byte by byte

}

Then write array to catalog file

**public static void writeToDeletedTable()**

{ found index of deleted table.

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

{

Write to Arrays}

Write array to catalog file.

**public static void writeNumberOftables**()

{

Write number of tables to first two bytes of catalog file.

}

**public static void DeleteTable**()

{

Check is there any table on the system

Get tablename from the user.

Read bytes,Find table from catalog file.

Make 20’th byte to 1(which keeps is deleted)

Delete table and primary files

writeNumberOftables();

**public static void ListAllTables**()

{

Get number of table

for(Number of table)

check(20th byte 0 or 1) if deleted increase table name and don’t write if it is 1.

read 0 to 20 bytes

write tablename

}