```java
package com.lcme.app;

public class LockedmeConstants {

    public static final String APPLICATION_INFO =

"##############################################################################"
+ System.lineSeparator() +

"#*************************************************************************#"
+ System.lineSeparator() +

"#********************###########################################********************#"
+ System.lineSeparator() +
            "#********************#Virtual Key for Your Repositories
#********************#" + System.lineSeparator() +
            "#********************#Company Lockers Pvt. Ltd
#********************#" + System.lineSeparator() +
            "#********************#Lockedme.com
#********************#" + System.lineSeparator() +
            "#********************#Aditya Yada
#********************#" + System.lineSeparator() +
            "#********************#FULL Stack Developer
#********************#" + System.lineSeparator() +

"#********************###########################################********************#"
+ System.lineSeparator() +

"#*************************************************************************#"
+ System.lineSeparator() +

"##############################################################################";

    public static String MAIN_MENU =
            "Please choose an option from below main menu:" +
System.lineSeparator() +
            "1.Retrieving the file names in an ascending order" +
System.lineSeparator() +
            "2.Business Operations" + System.lineSeparator() +
            "3.Close the application";

    public static String BUSINESS_MENU =
            "Please choose an option from below business menu: " +
System.lineSeparator() +
            "1.Add a file" + System.lineSeparator() +
            "2.Delete a file" + System.lineSeparator() +
            "3.Search for a file" + System.lineSeparator() +
            "4.Navigate back to main menu";
}


package com.lcme.app;

import java.io.File;
import java.io.FileWriter;
```

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public class LockedMeFileOps {

    public static final String root = System.getProperty("user.dir")+"\\root";

    private static boolean fnf = true;

    public static void init(){
        File dir = new File(root);
        if(!dir.exists()){
            dir.mkdir();
        }
    }

    public static void retrieveAllFileNamesInRootAsc(String path){
        File rootfolder = new File(path);
        File[] files = rootfolder.listFiles();
        if(files!=null){
            for(File file: files){
                if(file.isDirectory()){
                    retrieveAllFileNamesInRootAsc(file.getAbsolutePath());
                }else {

System.out.println(file.getAbsolutePath().substring(root.length()+1));
                }
            }
        }
    }

    public static void addFile(String fileNameWithRelativePath,String
fileContent){
        try{
            String absoluteFilePath = root + "\\" + fileNameWithRelativePath;
            File file = new File(absoluteFilePath);
            file.getParentFile().mkdirs();
            if (file.createNewFile()){
                FileWriter writer = new FileWriter(file);
                writer.write(fileContent);
                writer.close();
                System.out.println("File added successfully at relative path " +
fileNameWithRelativePath );
            } else{
                System.out.println("File " + fileNameWithRelativePath + "
already exists");
            }
        } catch (Exception e) {
            System.out.println("An error occurred while creating the file.");
            e.printStackTrace();
        }
    }

    public static void deleteFile(String fileNameWithRelativePath) {
        String absoluteFilePath = root + "\\" + fileNameWithRelativePath;
        File file = new File(absoluteFilePath);
        if(file.delete()){
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            System.out.println("File deleted successfully");
        } else {
            System.out.println("File not found. Please check the file name and
path");
        }
    }

    public static void searchFile(String fileName,String directoryPath) {
        File rootfolder = new File(directoryPath);
        File[] files = rootfolder.listFiles();
        if(files!=null){
            for(File file: files){
                if(file.isDirectory()){
                    searchFile(fileName,file.getAbsolutePath());
                }else {
                    if(file.getName().equalsIgnoreCase(fileName)){
                        fnf = false;
                        System.out.println("File found at location " +
file.getAbsolutePath().substring(root.length()+1));
                    }
                }
            }
        }
    }

    public static void searchFile(String fileName){
        fnf = true;
        searchFile(fileName,root);
        if(fnf){
            System.out.println("File Not found in application root directory or
any of its sub directories");
        }
    }
}


package com.lcme.app;

import java.util.Scanner;

public class LockedMeMain {
    public static void main(String[] args) {
        LockedMeFileOps.init();
        System.out.println(LockedmeConstants.APPLICATION_INFO);
        Scanner sc = new Scanner(System.in);
        boolean runMainMenu = true;
        while(runMainMenu){
        System.out.println(LockedmeConstants.MAIN_MENU);
        if(sc.hasNext()){
            String option = sc.next();
            sc.nextLine();
            switch (option){
                case "1" : {

LockedMeFileOps.retrieveAllFileNamesInRootAsc(LockedMeFileOps.root);
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                    break;
                }
                case "2" : {
                    boolean runBusinessmenu = true;
                    while(runBusinessmenu){
                        System.out.println(LockedmeConstants.BUSINESS_MENU);
                        if(sc.hasNext()){
                            option = sc.next();
                            sc.nextLine();
                            switch (option){
                                case "1" : {
                                    System.out.println("Enter file name with
relative path");
                                    String fileNameWithRelativePath = sc.next();
                                    System.out.println("Enter file contents");
                                    String fileContent = sc.next();

LockedMeFileOps.addFile(fileNameWithRelativePath,fileContent);
                                    break;
                                }
                                case "2" : {
                                    System.out.println("Enter file name with
relative path");
                                    String fileNameWithRelativePath = sc.next();

LockedMeFileOps.deleteFile(fileNameWithRelativePath);
                                    break;
                                }
                                case "3" : {
                                    System.out.println("Enter file name");
                                    String fileName = sc.next();
                                    LockedMeFileOps.searchFile(fileName);
                                    break;
                                }
                                case "4" : {
                                    runBusinessmenu = false;
                                    break;
                                }
                                default : {
                                    System.out.println("Invalid Input");
                                }
                            }
                        }
                    }
                    break;
                }
                case "3": {
                    runMainMenu = false;
                    break;
                }
                default :  {
                    System.out.println("Invalid Input");
                }
            }
        }
    }
```

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        }
        sc.close();
        System.out.println("Closing the application...");
    }
}
```