Contents

1. GitHUb Link

https://github.com/arjidileepkumar/LockedMe.git

2. File Manager .java

```
package com.lockedme;

import java.io.File;
import java.io.FileWriter;
import java.util.ArrayList;
import java.util.List;

public class FileManager {

	/**
	 * This method will return the file names and the folder
	 * @param folderpath
	 * @return
	 */
	public static List<String> getAllFiles(String folderpath)

	{
		//Creating File Object
		File f1 = new File (folderpath);

		//Getting all files into File array
		File [] listOfFiles = f1.listFiles();
		//Declare a list to store file names
		List<String> fileNames = new ArrayList<String>();

		for (File f:listOfFiles)
```

```
                fileNames.add(f.getName());
                //return the list
                return fileNames;

}


/**
 * this method will create or append content in the folder
 * @param folderpath
 * @param fileName
 * @return
 */
public static boolean addFiles(String folderpath,String fileName,List<String> content)

{
        try
        {
                File f = new File(folderpath,fileName);
                FileWriter fw =new FileWriter(f);
                for (String s:content)
                {
                        fw.write(s+"\n");
                }
                fw.close();
                return true;
        }
        catch(Exception Ex)
        {
```

```
                return false;
        }

}


/**
 * This method will delete the content in the folder
 * @param folderpath
 * @param fileName
 * @return
 */
public static boolean deleteFile(String folderpath, String fileName)
{
        //adding folder with file name and folderpath
        File file = new File(folderpath+"\\"+fileName);
        try
        {
                if(file.delete())
                return true;
                else
                        return false;
        }
        catch(Exception Ex)
        {
                return false;
        }
}
```

```
/**
 * This method will search the content in the folder
 * @param folderpath
 * @param fileName
 * @return
 */
public static boolean searcFile(String folderpath, String fileName)
{
	//adding folder with file name and folderpath
	File file = new File(folderpath+"\\"+fileName);
	try
	{
		if(file.exists())
		return true;
		else
			return false;
	}
	catch(Exception Ex)
	{
		return false;
	}
}



}
```

3. Locked Me Main menu

```
package com.lockedme;


import java.util.ArrayList;

import java.util.List;

import java.util.Scanner;


public class LockedMe {

	// creating a folder path

	static final String folderpath="G:\\My project phase 1\\LockedMeFiles";


	// main menu calling for other methods

	public static void main(String[] args)

	{

		int proceed=1;

		//do while looping for menu display reapetly

		do

		{


		//variable declaration

		 int d;


		 //Display Menu

		d= displayMenu();



		// switch case to calling the methods

		 switch(d)

		 {
```

```
                case 1 : getAllFiles();
                                        break;
                case 2 : addFiles();
                                        break;
                case 3 : deleteFile();
                                        break;
                case 4 : searchingFiles();
                                        break;
                case 5 : System.exit(0);
                                        break;
                default : System.out.println("Invalid option");
                                                break;

                }

        }while(proceed>0);

}


public static int displayMenu()
        {

                //variable declaration
           Scanner s = new Scanner(System.in);
           int d;
                //Menu
                System.out.println("================================================");
                System.out.println("\t\tcompanyLockerpvt.Ltd");
```

```
                System.out.println("================================================");
                System.out.println("1.Display all files");
                System.out.println("2.add new files");
                System.out.println("3.Delete a file");
                System.out.println("4.Search a file");
                System.out.println("5. Exit");
                System.out.println("================================================");

                 System.out.println("Enter your choice:");
                d= Integer.parseInt(s.nextLine());
                return d;

        }

/**
 * calling the get files into main method
 */
public static void getAllFiles()
{
        //Get files names
         List<String> fileNames = FileManager.getAllFiles(folderpath);

    for(String f:fileNames)
    System.out.println(f);
}

/**
 * calling adding files into main method
 */
```

```
public static void addFiles()

{
        //Adding files
        //Variable declaration
                        Scanner s = new Scanner(System.in);
                        String fileName;
                        int linesCount;
                        List<String> content = new ArrayList<String>();

                        //Read file name from user
                        System.out.println("enter file name");
                        fileName =s.nextLine();

                        //Read number of lines from user
                        System.out.println("enter how many lines in the file:");
                        linesCount = Integer.parseInt(s.nextLine());

                        //Read Lines from user
                        for (var i=1;i<=linesCount;i++)
                        {
                                System.out.println("enter line"+i+":");
                                content.add(s.nextLine());
                        }
                        //save the content into the file
                        boolean isSaved = FileManager.addFiles(folderpath, fileName, content);

                        if (isSaved)
                                System.out.println("file and data saved sucessfully");
```

```
                else
                        System.out.println("some error occured. please contact dileep");

                //s.close();

}

/**
 * deleting method added to main method
 */
public static void deleteFile()

{
        //variable declaration
                String fileName;
                Scanner s = new Scanner(System.in);

                //Read File name from the user
                System.out.println("enter file name:");
                fileName = s.nextLine();

                //deleting the file
                boolean isDeleted = FileManager.deleteFile(folderpath, fileName);
                if (isDeleted)
                        System.out.println("File sucessfully deleted");
                else
                        System.out.println("File is not their");
                 //s.close();
```

```
}



/**
 * searching method added to main method
 */
public static void searchingFiles()

{
	//Variable declaration
	String fileName;
	Scanner s = new Scanner(System.in);

	//Read file name from the user
	System.out.println("enter file name to be search:");
	fileName = s.nextLine();

	//searching the File
	boolean isSearched = FileManager.searcFile(folderpath, fileName);
	if (isSearched)
		System.out.println("File is present in the folder");
	else
		System.out.println("File is not present in the folder");
	 //s.close();

}
}
```