FileDetails

```
package com.lockedme;

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

public class FileDetails {

	static boolean flag=false;

	/**
	 * This method will return the names of all the files in the specified
folder
	 * @param folderPath
	 * @return fileNames
	 */
	public static void getAllFiles(String folderPath)
	{
		// Creating File Object
		File file=new File(folderPath);

		// Getting all the files into File Array
		File[] listOfFiles= file.listFiles();

		//Declare a list to store file names
		List<String> fileNames=new ArrayList<String>();

	    for (File f1 : listOfFiles) {
			fileNames.add(f1.getName());
		}

	    Collections.sort(fileNames, String.CASE_INSENSITIVE_ORDER);

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

	/**
	 * This method will create file into the specified folder.
	 * @param folderpath
	 * @param fileName
	 * @param content
	 * @return boolean
	 */
```

```
	public static void createFile(String folderpath, String fileName,
List<String> content)
	{
		try
		{
			File file =new File(folderpath,fileName);
			FileWriter writer=new FileWriter(file);


			for(String s:content)
			{
				writer.write(s+"\n");
			}
			writer.close();
			flag= true;
		}
		catch(Exception e)
		{
			flag= false;
		}

		if(flag)
			System.out.println("File created successfully");
		else
			System.out.println("File not created, some error occured");
	}

	/**
	 * This method will delete the file from folder
	 * @param folderpath
	 * @param fileName
	 * @return boolean
	 */
	public static void deleteFile(String folderpath, String fileName)
	{
		File file =new File(folderpath+"\\"+fileName);
		try
		{
		    if(file.delete())
			  flag= true;
			  else
				flag= false;

		}
		catch(Exception e)
		{
			flag= false;
		}

		if(flag)
```

```
                System.out.println("File deleted successfully");
            else
                System.out.println("File not deleted, some error occured");

        }

        /**
         * This method is used to search a file if the file exist in directory
         * @param folderpath
         * @param fileName
         * @return boolean
         */
        public static void searchFile(String folderpath, String fileName)
        {
            File file =new File(folderpath+"\\"+fileName);
            try
            {
                if(file.exists())
                  flag= true;
                  else
                        flag= false;

            }

            catch(Exception e)
            {
                  flag= false;
            }

            if(flag)
                  System.out.println("The Searched File "+fileName+" is
present");
            else
                  System.out.println("File not present, some error occured");
        }

}
```

LockedMeProject

```
package com.lockedme;

import java.util.ArrayList;
import java.util.List;
import java.util.Scanner;

public class LockedMeProject {

	static final String folderpath="E:\\Simplilearn
Docs\\Phase1Project\\Locker Project File";
	public static void main(String[] args) {

		// Variable Declaration
		Scanner sc=new Scanner(System.in);

		int choice;
		int proceed=1;


	System.out.println("**************************************************
******");
		System.out.println("\t Company Lockers Pvt. Ltd.");
		System.out.println("\t Project- Locker Project");
		System.out.println("\t Developed by- Vishwajit Jogalekar");

	System.out.println("**************************************************
******");

		do {
		//Menu

	System.out.println("**************************************************
******");
		System.out.println("1. Display all Files in Ascending Order");
		System.out.println("2. Add new File to folder");
		System.out.println("3. Delete file from folder");
		System.out.println("4. Search file");
		System.out.println("5. Exit");

	System.out.println("**************************************************
******");
		System.out.println("Enter Your Choice");
		choice=Integer.parseInt(sc.nextLine());
		System.out.println();

			switch(choice)
```

```
                {
                        case 1:
                                FileDetails.getAllFiles(folderpath);
                                break;
                        case 2:
                                addNewFile(sc);
                                break;
                        case 3:
                                deleteFile(sc);
                                break;
                        case 4:
                                searchFile(sc);
                                break;
                        case 5:

        System.out.println("**************************************************
******");

                                System.out.println("Thank You!! Application is
closed");
                                proceed=0;
                                break;
                        default:
                                System.out.println("Invalid Option is
selected");
                                break;
                }

        }while(proceed>0);

    }

    public static void searchFile(Scanner sc) {
        String fileName;
        System.out.println("Enter file Name");
        fileName=sc.nextLine();
        FileDetails.searchFile(folderpath, fileName);
    }

    public static void deleteFile(Scanner sc) {
        String fileName;
        System.out.println("Enter file Name");
        fileName=sc.nextLine();
        FileDetails.deleteFile(folderpath, fileName);
    }

    public static void addNewFile(Scanner sc) {
        String fileName;
        int linesCount;
        List<String> fileContent= new ArrayList<String>();
```

```
            System.out.println("Enter file Name");
            fileName=sc.nextLine();

            // Read number of lines from the user
            System.out.println("Enter lines in the file");
            linesCount=Integer.parseInt(sc.nextLine());

            // Read lines from user
            for(int i=0;i<linesCount;i++)
            {
                  System.out.println("Enter line"+i+":");
                  fileContent.add(sc.nextLine());
            }
            FileDetails.createFile(folderpath, fileName, fileContent);
      }

}
```