INTRODUCTION:

Aim: To create a file handling project to meet the requirements of Company Lockers Pvt. Ltd. The requirements are as follows:

- The first option should return the current file names in ascending order. The root directory can be either empty or contain few files or folders in it
- The second option should return the details of the user interface such as options displaying the following:

1. for adding ,a file
2. deleting a file,
3. searching and
4. option to go back to main menu.

- There should be a third option to close the application

Algorithm:

1.Displays Project Details and developer details.

2.Menu is displayed

3.There will be three options in Menu's and further 2nd choice in Menu has 4 suboptions for adding,deleting,searching and going back to main menu.

4.Based on the selection operations will be performed and executed.

5.Exit option can ne used to exit from the application.

# Source Code:

```
package com.Assessment;
import java.io.File;
import java.io.IOException;
import java.io.PrintWriter;
import java.util.LinkedList;
import java.util.Scanner;

public class Assessment {
	static String Path = "D:\\Java Project";
	public static void main(String args[])throws IOException
	{
		Scanner sc=new Scanner(System.in);
		int choice;
		System.out.println("\n\t**LockedMe.com-Assessment**\n");
		System.out.println("Author:Pranav M L");
		System.out.println("For issues please contact
pranavml4202@gmail.com,Ph.no:7996611459");

		do
		{
			Menu();
			System.out.println("\n Please Enter your choice:");
			choice=sc.nextInt();
			switch(choice)
```

```
                    {
                    case 1:displayFiles();
                    break;
                    case 2:Scanner sc1=new Scanner(System.in);
                    int option;
                    System.out.println("\tPress 1 for adding files to root
directory");
                    System.out.println("\tPress 2 for deleting files from root
directory");
                    System.out.println("\tPress 3 for searching the files\n");
                    System.out.println("\tPress 4 for to go back to Main Menu\n");
                    System.out.println("Enter the option:");
                    option=sc1.nextInt();
                    switch(option)
                    {
                    case 1:addFiles();
                    break;
                    case 2:deleteFiles();
                    break;
                    case 3:searchFiles();
                    break;
                    case 4: Menu();
                    break;
                    }
                    break;
                    case 3: ExitMenu();
                    break;
                    default:System.out.println("Error.Please choose the correct
choice");
                    }
                    }
                    while(choice>0 && choice <4);

        }

        public static void Menu()
        {
        System.out.println("\n\t*** Menu***\n\t");
        System.out.println("\t1=Display all the files in ascending order");
        System.out.println("\t2=File Operations Menu");
        System.out.println("\t3=Exit");
        }


        public static void displayFiles()
        {
        try {
        File fileFolder = new File(Path);
        File[] FileList = fileFolder.listFiles();
        if(FileList.length==0)
        {
        System.out.println("No Files exist");
        }
        else
        {
        for(File l:FileList)
        {
        System.out.println(l.getName());
        }
```

```
 }
 }
catch(Exception Ex)
{
System.out.println("Some Error has occured.");
}
}


public static void addFiles()
{
try
{
Scanner sc = new Scanner(System.in);
String fileName = null;
System.out.println("Enter the filename: ");
fileName = sc.nextLine();
File f1 = new File (Path+"\\"+fileName);// adding a file to directory
int linesCount;
PrintWriter pw=new PrintWriter(f1);
System.out.println("Enter how many lines in the file");
linesCount = Integer.parseInt(sc.nextLine());

for(int i=1;i<=linesCount;i++)
{
System.out.println("Enter the file line : ");
pw.write(sc.nextLine()+"\n");
}
System.out.println("File created successfully.");
pw.close();
//obj.close();
}
catch(Exception t)
{
System.out.println("Some error has occcured.");
}
}


/*This method will delete the file based on the user input if it exists*/
public static void deleteFiles()
{
Scanner sc = new Scanner(System.in);
try
{
String fileName;
System.out.println("Enter the file name to be deleted");
fileName = sc.nextLine();
File file = new File(Path+"\\"+fileName);
if(file.exists())
{
file.delete();
System.out.println("File deleted SuccessFully : "+fileName);
}
else
System.out.println("FNF (File not found)");
}
catch(Exception ex)
{
```

```
System.out.println("Some Error has occured.");
}
}
public static void searchFiles()
{
Scanner sc = new Scanner(System.in);
try
{
String requiredFile;
System.out.println("Enter the file name to be Searched");
requiredFile = sc.nextLine();
File folder = new File(Path);
File[] FileList = folder.listFiles();
LinkedList<String> filenames = new LinkedList<String>();
for(File l:FileList)
filenames.add(l.getName());
if(filenames.contains(requiredFile))
System.out.println("File present in "+Path);
else
System.out.println("FNF (File not found)");
}
catch(Exception et)
{
System.out.println("Some Error has occured.");
}
}
public static void ExitMenu() {
	System.out.println("Exiting LockedMe");
	System.exit(0);

}


}
```

**THE END**