

CEP code:

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package com.ProjectPhase1;
import java.io.*;

import java.util.*;
public class CEPOperation {
    Scanner sc = new Scanner(System.in);
    public void Retrieve() {

        File folder = new
File("/Users/preetirajshekartengli/documents/zaggle");
        if (!folder.exists()) {
            folder.mkdirs();
        }
        File[] files = folder.listFiles();
        if(files.length==0) {
            System.out.println("No Files Found....");
        }
        else {
            List<String> fileList = new ArrayList<>();
            for (File file : files) {
                if (file.isFile()) {
                    fileList.add(file.getName());
                }
            }
            int n = fileList.size();
            for (int i = 0; i < n - 1; i++) {
                for (int j = i + 1; j < n; j++) {
                    if (fileList.get(i).compareTo(fileList.get(j)) > 0) {
                        String temp = fileList.get(i);
                        fileList.set(i, fileList.get(j));
                        fileList.set(j, temp);
                    }
                }
            }
            for (String fileName : fileList) {
                System.out.println(fileName);
            }
        }
    }
    public void Add() {
        File folder = new
File("/Users/preetirajshekartengli/documents/zaggle");
        if (!folder.exists()) {
            folder.mkdirs();
        }
        File[] files = folder.listFiles();
        boolean checker;
        String nameoffile="";
        do {
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        System.out.println("Enter the name of the file to add: ");
        nameoffile = sc.next();
        checker = false;
        for (File file : files) {
            if (nameoffile.equalsIgnoreCase(file.getName())) {
                System.out.println("File name already exists...");
                checker = true;
                break;
            }
        }

        }while(checker);
        System.out.println("Enter the content of the file: ");
        sc.nextLine();
        String contentoffile = sc.nextLine();
        File file = new File(folder, nameoffile);
        try {
            FileWriter writer = new FileWriter(file);
            writer.write(contentoffile);
            writer.close();
            System.out.println("File created as " + file.getName());
        } catch (IOException e) {
            System.out.println("An error occurred.");
            e.printStackTrace();
        }
    }

    public void delete() {
        File folder = new
File("/Users/preetirajshekartengli/documents/zaggle");
        if (!folder.exists()) {
            folder.mkdirs();
        }
        File[] files = folder.listFiles();
        boolean checker;
        String nameoffile="";
        do {
            System.out.println("Enter the name of the file to delete: ");
            nameoffile = sc.next();
            checker = true;
            for (File file : files) {
                if (nameoffile.equalsIgnoreCase(file.getName())) {
                    file.delete();
                    System.out.println("File deleted...");
                    checker = false;
                    break;
                }
            }
        }
        if(checker==true) {
            System.out.println("File name doesn't exists...");
        }
        }while(checker);
    }

    public void search() {

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        File folder = new
File("/Users/preetirajshekartengli/documents/zaggle");
        if (!folder.exists()) {
            folder.mkdirs();
        }
        File[] files = folder.listFiles();
        boolean checker;
        String nameoffile="";
        do {
            System.out.println("Enter the name of the file to search: ");
            nameoffile = sc.next();
            checker = true;
            for (File file : files) {
                if (nameoffile.equalsIgnoreCase(file.getName())) {
                    System.out.println("File content:");
                    try (BufferedReader reader = new BufferedReader(new
FileReader(file))) {
                        String line;
                        while ((line = reader.readLine()) != null) {
                            System.out.println(line);
                        }
                    } catch (IOException e) {
                        System.err.println("Error reading file: " +
e.getMessage());
                    }
                    checker = false;
                    break;
                }
            }
            if(checker==true) {
                System.out.println("File name doesn't exists...");
            }
        }while(checker);
    }
}

```

Main function:

```
package com.ProjectPhase1;

import java.util.*;

public class CEPMain {
    public static void main(String[] args) {

        CEPOperations cepo = new CEPOperations();
        Scanner sc = new Scanner(System.in);
        System.out.println("Welcome to the LockedMe.com Application!");
        int choice=0;
        do {
            while (true) {
                System.out.println("\nEnter 1 to Retrieve\nEnter 2 to do
Operations\nEnter 3 to Exit");
                try {
                    choice = sc.nextInt();
                    break;
                }
                catch (InputMismatchException e) {
                    System.out.println("Invalid input....! ");
                    sc.next();
                }
            }
            switch(choice) {
                case 1:
                    cepo.Retrieving();
                    break;
                case 2:
                    int t = 1;
                    do {
                        System.out.println("\nEnter a to add\nEnter b to
delete\nEnter c to search\nEnter d to go back to home");
                        char ch = sc.next().charAt(0);
                        switch (ch) {
                            case 'a':
                                cepo.Add();
                                break;
                            case 'b':
                                cepo.delete();
                                break;
                            case 'c':
                                cepo.search();
                                break;
                            case 'd':
                                t = 0;
                                break;
                            default:
                                System.out.println("Invalid Input....!. ");
                                break;
                        }
                    }
                }
            }
        }
```

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        } while (t != 0);
        break;
    case 3:
        System.out.println("Thanks for using the app.");
        System.exit(0);
    default:
        System.out.println("Invalid Input....!. ");
        break;
    }
}while(true);
}
```