```
package Smplprj;

import java.io.*;

import java.util.*;

public class Operation
 {

	Scanner sc = new Scanner(System.in);

	public void Retrieving() {

		File folder = new File("/Users/merlinprathiba/Desktop/prj");
	    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<>();

	      // Loop through each file in the folder and add its name to the list
	      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);
		      }
		  }
	      }
```

```
        // Print the list of file names
        for (String fileName : fileList) {
          System.out.println(fileName);
        }

    }

}

public void Add() {

        File folder = new File("/Users/merlinprathiba/Desktop/prj");
    if (!folder.exists()) {
      folder.mkdirs();
    }

    File[] files = folder.listFiles();

    boolean checker;

    String nameoffile="";

    do {

    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();
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    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/merlinprathiba/Desktop/prj");
    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() {

            File folder = new File("/Users/merlinprathiba/Desktop/prj");
        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);


        }

}
```