Source code

```
import java.nio.file.*;
import java.util.*;
import frontEnd.App;


public class Operations {


   static Scanner sn = new Scanner(System.in);
   static String directory = "C:\\Users\\tejac\\OneDrive\\Documents\\key";


   public static void FileOperations() {
      System.out.println("");
      System.out.println("Press 1 to Add a file");
      System.out.println("Press 2 to Delete a file");
      System.out.println("Press 3 to Search a file");
      System.out.println("Press 4 to go Back to the Main Menu");


      String choice = sn.nextLine();
      handle(choice);
   }


   public static void handle(String num) {
      switch(num) {
         case "1":
            System.out.println("You selected Add Operation");
            add();
            break;
         case "2":
```

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            System.out.println("You selected Delete Operation");
            delete();
            break;
        case "3":
            System.out.println("You selected Search Operation");
            search();
            break;
        case "4":
            System.out.println("Going Back to Main Menu");
            App.main();
            break;
        default:
            System.out.println("Invalid input");
    }
    FileOperations();
}

// to add a file

public static void add() throws InvalidPathException {
    System.out.println("Enter the file path");
    String input = sn.nextLine();
    Path path;
    try {
        path = Paths.get(input);
    } catch (Exception e) {
        System.out.println("Invalid input");
```

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            return;
        }

        if (!Files.exists(path)) {
            System.out.println("No such file exist");
            return;
        }else {
            System.out.println("File is present");

        }

        String newPath = directory + "/" + path.getFileName();
        int i = 0;
        while (Files.exists(Paths.get(newPath))) {
            i++;
            newPath = directory + "/" + i + "_" + path.getFileName();
        }

        try {
            Files.copy(path,  Paths.get(newPath));
            System.out.println("file has been stored");
        } catch (IOException e) {
            System.out.println("Not able to store the file");
            System.out.println(e);
        }

    }
```

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// to delete a file

public static void delete() throws InvalidPathException {
    System.out.println("Enter the file path (ex: c.txt)");
    String input = sn.nextLine();
    String Path = directory + "/" + input;
    Path path;

    try {
        path = Paths.get(Path);
    } catch (Exception e) {
        System.out.println("Invalid input");
        return;
    }

    if (!Files.exists(path)) {
        System.out.println("No such file existed,thus cannot be deleted");
        return;
    } else {
        System.out.println("File is present");
    }

    File Delete = new File(Path);
    try {
        Delete.delete();
        System.out.println("File is deleted");
```

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        }
        catch (Exception e) {

            System.out.println("Not able to delete file");
            System.out.println(e);
        }
    }

    //to search a file

    public static void search() throws InvalidPathException{
        System.out.println("Enter the file to search (ex: a.txt)");
        String input = sn.nextLine();
        String Path = directory + "/" + input;
        Path path;

        try {
            path = Paths.get(Path);
        } catch (Exception e) {
            System.out.println("Invalid input");
            return;
        }

        if(!Files.exists(path)) {
            System.out.println("No such file exist");
            return;
        } else {
```

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```
            System.out.println("File is present");
        }


    }
}
```