```java
import java.io.IOException;
import java.util.Scanner;

public class mainfile {

        public static void main(String[] args) throws IOException{
                Scanner sc=new Scanner(System.in);

                addingfile a=new addingfile();
                displaythefile dis=new displaythefile();
                deletingfile del=new deletingfile();
                searchthefile s=new searchthefile();

                label1:while(true) {
                        System.out.println("Enter your choice to enter into main switch case ");
                        int choice=sc.nextInt();
                        switch(choice) {
                        case 1:dis.displayTheFile();
                        break;
                        case 2:while(true) {
                                System.out.println("enter subswitch option ");
                                int choice1=sc.nextInt();
                                switch(choice1){
                                case 1:a.addToFile();
                                break;
                                case 2:del.deleteTheFile();
                                break;
                                case 3:s.searchTheFile();
                                break;
                                case 4:continue label1;
                                default:System.out.println("Exit from sub switch case");
                                break;
                                }

                        }
                        case 3:System.exit(0);
                        break;
                        default:System.out.println("invalid operation");
                        }
                }
```

```
                }

        }




import java.io.File;
import java.io.IOException;
import java.util.Scanner;

public class addingfile {
        public void addToFile() {
                String path="C:\\Users\\Pavan
Potnuru\\OneDrive\\Desktop\\finalph1project\\files";
                Scanner sc=new Scanner(System.in);
                System.out.println("Enter filename to add ");
                String filename=sc.nextLine();
                String filepath=path+filename;
                File f=new File(filepath);
                try {
                        if(f.createNewFile()) {
                                System.out.println("file is created successfully");
                        }
                        else {
                                System.out.println("file not created");
                        }
                }
                catch(IOException e) {
                        e.printStackTrace();
                }


        }

}

import java.io.File;
import java.util.Scanner;

public class deletingfile {
        public void deleteTheFile() {
```

```java
                String path="C:\\Users\\Pavan
Potnuru\\OneDrive\\Desktop\\finalph1project\\files";
                displaythefile df=new displaythefile();
                Scanner sc=new Scanner(System.in);
                System.out.println("enter file name to delete");
                String filename=sc.nextLine();
                String filepath=path+filename;

                File f=new File(filepath);
                if(f.delete()) {
                        System.out.println("file deleted successfully");
                }
                else {
                        System.out.println("No File Found");
                }
        }

}




import java.io.File;

public class displaythefile {
        public void displayTheFile() {
                String path="C:\\Users\\Pavan
Potnuru\\OneDrive\\Desktop\\finalph1project\\files";
                File f=new File(path);
                File[] files=f.listFiles();
                for(File ff:files) {
                        System.out.println(ff.getName());
                }
                System.out.println();
        }

}




import java.io.File;
import java.util.Scanner;

public class searchthefile {
        public void searchTheFile() {
```

```java
        String path="C:\\Users\\Pavan
Potnuru\\OneDrive\\Desktop\\finalph1project\\files";
            displaythefile df=new displaythefile();
            df.displayTheFile();
            Scanner sc=new Scanner(System.in);
            System.out.println("enter file name to search ");
            String filename=sc.nextLine();
            String filepath=path+filename;
            File f=new File(filepath);
            File f1=new File(path);
            File[] files=f1.listFiles();

            int flag=0;
            for(File ff:files) {
                    if(ff.getName().equals(f.getName())) {
                            flag=1;
                            break;
                    }
                    else
                            flag=0;
            }

            if(flag==0) {
                    System.out.println("file is found");
            }
            else {
                    System.out.println("File Not Found");
            }

    }

}
```