The Source code

1- Main class:

```
package lockedMeProject;

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

        handlingOption bo = new handlingOption();
        System.out.println("-------------------------------------\n \n"+
              " Wellcome LockedMe.com \n " +
              "This application developed by Amal Alyahya \n \n" +
              "-------------------------------------\n");
              bo.dispalyMainMenu();

       }
}
```

2- handlingOption class:

```
   package lockedMeProject;

import java.io.File;
import java.io.IOException;
import java.util.ArrayList;
import java.util.Arrays;
import java.util.InputMismatchException;
import java.util.List;
import java.util.Scanner;


public class handlingOption {

        Scanner sc= new Scanner(System.in);
        public final static String ROOT_DIRECTORY_PATH ="./files/";


       public static void dispalyMainMenu()
       {

   try {
              String msgPrint=
                            "\n \n please enter your choies number :\n \n" +
                     "1-Retrieving the file\n"+
                            "2-Display File operations menu \n"+
                     "3-Exit the application ";
```

```
                    System.out.println(msgPrint);
                    Scanner sc= new Scanner(System.in);



                int option=sc.nextInt();

                    switch (option) {

                    case 1:
                     retriveAllFiles();
                     break;

                    case 2:
                     dispalyMenu();
                     break;

                    case 3:
                    System.out.println("the porgram is EXIT");
                    System.exit(0);
                    break;

                 default :
                  System.out.println("PLEAS ENTER VAID OPTION NUMBER");



                    }} catch (InputMismatchException e)
   {

                System.out.println("PLEAS ENTER VAID OPTION  \n");
                dispalyMainMenu();


}



                    }

       // Retrieve all files
       public static void retriveAllFiles() {

       File folder = new File(ROOT_DIRECTORY_PATH);
       File[] listOfFiles = folder.listFiles();
       if (listOfFiles != null && listOfFiles.length > 0) {
    System.out.println("The file in directory : \n "+"---------------------------" );
       for (int i = 0; i < listOfFiles.length; i++) {
         if (listOfFiles[i].isFile()) {
           System.out.println("File :" + listOfFiles[i].getName());
         } else if (listOfFiles[i].isDirectory()) {
           System.out.println("Directory " + listOfFiles[i].getName());
         }
       }
       }else{
```

```
            System.out.println("---- Empty Directory ---");
        }
        dispalyMainMenu();
        }



        public static void dispalyMenu()

        {
            try{
                    String s= "1-Add file to the Directory \n"+
                     "2-Search file from the in Directory\n" +
            "3-Delete file from the Directory\n"+
                     "4-Return to main menu \n"+
                     "5-Exit file from the application \n";

          System.out.println(s);

          Scanner sc= new Scanner(System.in);
          String fileName;
        int option=sc.nextInt();

           switch (option) {

           case 1:
                System.out.println("please enter the file name: \n");
                fileName=sc.next();
                creatFile(fileName);
                 break;

           case 2:
                System.out.println("please enter the file name are you want to search:
\n");
                fileName=sc.next();
                findFile( fileName);
                    dispalyMenu();
                    break;

           case 3:
                System.out.println("please enter the file name to delete: \n");
                fileName=sc.next();
                deleteFile(fileName);

                 break;

           case 4:
                dispalyMainMenu();
                 break;

           case 5:
                System.out.println("the porgram is EXIT");
                System.exit(0);
                 break;
         default :
```

```
        System.out.println("PLEAS ENTER VAID OPTION NUMBER \n");
        System.exit(0);


    }
}    catch (InputMismatchException e)
          {

        System.out.println("PLEAS ENTER VAID OPTION NUMBER \n");
        dispalyMenu();


   }


}


//create new file
  public static void creatFile(String fileName) {
          try {
            File myObj = new File(ROOT_DIRECTORY_PATH+fileName+".txt");
            if (!myObj.exists()) {
              myObj.createNewFile();
              System.out.println("File created: " + myObj.getName()+ "\n");
              dispalyMenu();
            } else {
              System.out.println("File already exists. \n");
              dispalyMenu();
            }
          } catch (IOException e) {
            System.out.println("An error occurred. \n");
            e.printStackTrace();
            dispalyMenu();
          }
        }


 // delete function
  public static void deleteFile(String name)
    {
         boolean isExist=false;
          try {
             File folder = new File(ROOT_DIRECTORY_PATH);
             File[] Files = folder.listFiles();
                   for(File fileEntry : Files) {
                     //System.out.println(fileEntry.getName());
                     if(fileEntry.isFile()) {
                     if (fileEntry.getName().equals(name+".txt")) {
                            isExist=true;
                            fileEntry.delete();

                     }

                   }}
```

```
                        if(isExist) {
                               System.out.println("File is delete \n");
                               dispalyMenu();
                        }
                        else{
                               System.out.println("File not found or check the
case sensitivity\n");
                               dispalyMenu();

                        }

                    } catch (Exception e) {
                      System.out.println("An error occurred. \n");
                      e.printStackTrace();
                      dispalyMenu();
                    }
                  }

      // search function
        public static void findFile(String name)
          {
               boolean isExist=false;
                 try {
                    File folder = new File(ROOT_DIRECTORY_PATH);
                    File[] Files = folder.listFiles();
                          for(File fileEntry : Files) {
                            if(fileEntry.isFile()) {
                            if (fileEntry.getName().equals(name+".txt")) {
                                  isExist=true;
                            }

                          }}
                            if(isExist) {
                                  System.out.println("File is existed \n");
                            }
                            else{
                                  System.out.println("File is not existed in the
directory\n");

                            }

                    } catch (Exception e) {
                      System.out.println("An error occurred. \n");
                      e.printStackTrace();
                      dispalyMenu();
                    }
                  }

      }
```