**package** com.yamini.project;

**import** java.awt.Desktop;

**import** java.io.File;

**import** java.io.FileNotFoundException;

**import** java.io.IOException;

**import** java.util.ArrayList;

**import** java.util.List;

**import** java.util.Scanner;

**public** **class** FileOperations **implements** FileUtility {

List<String> retrieve = **new** ArrayList<String>();

File[] files = **new** File("C:\\Users\\dell\\eclipse workspace\\mainproject1").listFiles();

@Override

**public** **void** showAllFiles() {

**for**(File file : files) {

**if**(file.isFile()) {

retrieve.add(file.getName());

}

}

retrieve.forEach(System.***out***::println);

}

@Override

**public** **void** addFile() {

System.***out***.println("Enter the file name which you want to add:");

Scanner scan = **new** Scanner(System.***in***);

String filename = scan.nextLine();

File F = **new** File(filename);

**try** {

**if**(F.createNewFile()) {

System.***out***.println(filename+" file is added to the directory");

Desktop.*getDesktop*().edit(F);

}

**else** {

System.***out***.println("This file already exists");

}

} **catch** (IOException e) {

e.printStackTrace();

}

}

@Override

**public** **void** deleteFile() {

System.***out***.println("Enter the file name which you want to delete:");

Scanner scan = **new** Scanner(System.***in***);

String filename = scan.nextLine();

File F = **new** File(filename);

**if**(F.delete())

System.***out***.println(filename+" got Deleted");

**else**

System.***out***.println("File Not Found");

}

@Override

**public** **void** searchFile() {

**try** {

Scanner scan = **new** Scanner(System.***in***);

File directory = **new** File("C:\\Users\\dell\\eclipse workspace\\mainproject1");

System.***out***.println("Enter the file name which you want to search:");

String filename = scan.nextLine();

File[] files = directory.listFiles();

**int** flag=0;

**for** (File file : files) {

String name = file.getName();

**if** (name.equals(filename)) {

File f = **new** File(filename);

Scanner sc1 = **new** Scanner(f);

**while**(sc1.hasNextLine()) {

System.***out***.println(sc1.nextLine());

}

flag = 1;

}

}

**if**(flag == 0) {

System.***out***.println("File not found");

}

}**catch**(FileNotFoundException ex) {

System.***out***.println("File not found");

}

}

}