**package** myproject;

**import** java.io.File;

**import** java.io.FilenameFilter;

**import** java.io.IOException;

**import** java.nio.file.Files;

**import** java.nio.file.Paths;

**import** java.util.Arrays;

**import** java.util.Collections;

**import** java.util.List;

**import** java.util.Scanner;

**import** java.lang.ArrayIndexOutOfBoundsException;

**public** **class** fileOperations {

**public** **static** **void** main(String[] args) **throws** IOException,ArrayIndexOutOfBoundsException {

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

**int** ch;

**do** {

System.***out***.println("1.Add");

System.***out***.println("2.Delete");

System.***out***.println("3.Search");

System.***out***.println("4.Display files in ascending order");

System.***out***.println("0.Exit");

System.***out***.println("Enter Your Choice: ");

ch = s.nextInt();

**switch**(ch) {

**case** 1:

*createFileUsingFileName*();

**break**;

**case** 2:

*deleteFile*();

**break**;

**case** 3:

*searchFileUsingFileName*();

**break**;

**case** 4:

*sortFilesInAscendingOrder*();

}

}**while**(ch!=0);

}

**public** **static** **void** createFileUsingFileName() **throws** IOException {

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

System.***out***.println("enter the file name :");

String fileName = s.nextLine();

File f = **new** File("M://MY FILES//simplilearn//Project1//"+fileName);

**if**(f.createNewFile()==**true**) {

System.***out***.println("File Created");

}

**else** {

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

}

}

**public** **static** **void** deleteFile() **throws** IOException{

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

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

String filename = s.nextLine();

String delfile =("M://MY FILES//simplilearn//Project1//"+filename);

Files.*delete*(Paths.*get*(delfile));

System.***out***.println("File deleted successfully");

}

**public** **static** **void** searchFileUsingFileName() **throws** ArrayIndexOutOfBoundsException {

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

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

String filename = s.nextLine();

File f = **new** File("M://MY FILES//simplilearn//Project1//");

FilenameFilter filter = **new** FilenameFilter() {

**public** **boolean** accept(File f,String name) {

**return** name.startsWith(filename);

}

};

String[] children = f.list(filter);

**if**(children==**null**) {

System.***out***.println("No directory found!");

}**else** {

**for**(**int** i=0;i<children.length;i++) {

String file=children[i];

System.***out***.println("Files found : "+file);

}

}

}

**public** **static** **void** sortFilesInAscendingOrder() {

File f = **new** File("M://MY FILES//simplilearn//Project1//");

List<String> listFile = Arrays.*asList*(f.list());

System.***out***.println("Sorting file names in ascending order:");

Collections.*sort*(listFile);

**for**(String s:listFile) {

System.***out***.println(s);

}

}

}