**package** assessments;

**import** java.io.BufferedReader;

**import** java.io.File;

**import** java.io.FileReader;

**import** java.io.FileWriter;

**import** java.io.IOException;

**import** java.util.Arrays;

**import** java.util.Scanner;

**import** java.util.Collections;

**import** java.util.List;

**import** javax.swing.text.html.ListView;

**public** **class** FileManagementsystem {

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

System.***out***.println("Please select one of the below operations");

System.***out***.println(" c to create afile ");

System.***out***.println(" d to delete a file ");

System.***out***.println(" m to modify a file");

System.***out***.println("r to read/list the files");

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

String s=scan.nextLine();

**if**(s.equalsIgnoreCase("c")) {

*Createwritefiles*();

}

**else** **if** (s.equalsIgnoreCase("d")){

*Deletefiles*();

}

**else** **if** (s.equals("m")){

}

**else** **if**(s.equals("r")){

*Readfiles*();

}**else** {

System.***out***.println("please select a valid entry");

}

}

**private** **static** **void** Createwritefiles() **throws** IOException {

// **TODO** Auto-generated method stub

System.***out***.println("Enter the name of the file");

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

String s1=scan.nextLine();

File file =**new** File("D:\\JavaFsd\\"+s1);

**if**(file.createNewFile()) {

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

}

**else** {

System.***out***.println("unable to create file");

}

///write data to that file

FileWriter writer= **new** FileWriter(file,**false**);

writer.write("Welcome......!");

writer.close();

}

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

}

**public** **static** **void** Readfiles(){

File fileDir = **new** File("D:\\JavaFsd\\");

**if**(fileDir.isDirectory()){

List listFile = Arrays.*asList*(fileDir.list());

System.***out***.println("Listing files unsorted");

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

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

}

Collections.*sort*(listFile);

System.***out***.println("---------------------------------------");

System.***out***.println("Sorting by filename in ascending order");

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

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

}

System.***out***.println("---------------------------------------");

System.***out***.println("Sorting by filename in descending order");

Collections.*sort*(listFile,Collections.*reverseOrder*());

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

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

}

}

**else**{

System.***out***.println(fileDir.getAbsolutePath() + " is not a directory");

}

}

}