**package** finalProject;

**import** java.io.File;

**import** java.io.FileInputStream;

**import** java.io.FileOutputStream;

**import** java.io.FileWriter;

**import** java.io.IOException;

**import** java.nio.file.DirectoryNotEmptyException;

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

**import** java.nio.file.NoSuchFileException;

**import** java.nio.file.Path;

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

**import** java.util.ArrayList;

**import** java.util.List;

**import** java.util.Scanner;

**public** **class** Finalproject {

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

*options*();

}

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

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

System.***out***.println("select your choice:");

System.***out***.println("1)show the list of files present");

System.***out***.println("2)to perform advanced actions to the files");

System.***out***.println("3)to exit the application");

**int** c= myObj.nextInt();

String arr[]={"first.txt","second.txt"};

**switch**(c) {

**case** 1:

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

File[] files = **new** File("E:\\wipro\\projects\\files").listFiles();

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

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

results.add(file.getName());

}

}

**for**(String i:results) {

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

}

**break**;

**case** 2:

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

System.***out***.println("select your choice:");

System.***out***.println("1)add your own file");

System.***out***.println("2)delete the existing file");

System.***out***.println("3)search your file from existing files");

System.***out***.println("4)go to previous options");

**int** b= myOb.nextInt();

**switch**(b) {

**case** 1:

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

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

String j= "E:/wipro/projects/files/"+name.next();

File file =**new** File(j);

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

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

}

**else** {

System.***out***.println("File is Already Exist");

}

System.***out***.println("do you want to add something to your file(Y/N)");

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

String h= choice.next();

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

**if** (h.equals("Y")) {

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

String t= tin.next();

**try** {

FileWriter myw=**new** FileWriter(j);

myw.write(t);

myw.close();

System.***out***.println("text added");

}

**catch** (IOException e) {

System.***out***.println("error occured");

e.printStackTrace();

}

}

**break**;

**case** 2:

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

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

String k= del.next();

String u= "E:/wipro/projects/files/"+k;

**try** {

Files.*deleteIfExists*(Paths.*get*(u));

}

**catch** (NoSuchFileException e) {

System.***out***.println("No such file/directory exists");

}

**catch** (DirectoryNotEmptyException e) {

System.***out***.println("Directory is not empty.");

}

**catch** (IOException e) {

System.***out***.println("Invalid permissions.");

}

System.***out***.println("Deletion successful.");

**break**;

**case** 3:

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

File[] fil = **new** File("E:\\wipro\\projects\\files").listFiles();

**for** (File fle : fil) {

**if** (fle.isFile()) {

result.add(fle.getName());

}

}

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

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

String s= ser.next();

**int** r=0;

**for**(String i: result) {

**if**(i.equals(s)) {

r=0;

**break**;

}

**else** {

r=r+1;

}

}

**if**(r==0) {

System.***out***.println("file exist");

}

**else** {

System.***out***.println("files doesnt exist");

}

**break**;

**case** 4:

*options*();

**break**;

}

**break**;

**case** 3:

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

System.*exit*(0);

**break**;

}

}

}