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| **D:\_MONLAU\Logos\monlau-pequeño.jpg** | | **M3-PROGRAMACIÓ BASICA** | |
| **UF: *UF2*** | **RA:** *Programació* |
| *Iván Martínez Baeza* | | | |
| **Práctica Nº: 20** | ***Practica 20*** | | |

NOTA ESPERADA : 10

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| F:\OneDrive - Centre d'Estudis Monlau\M3\NetBeansProjects\Practica20\src\practica20\Practica20.java |

package practica20;

import java.awt.Desktop;

import java.io.BufferedReader;

import java.io.BufferedWriter;

import java.io.File;

import java.io.FileReader;

import java.io.FileWriter;

import java.io.IOException;

import java.util.Scanner;

import java.util.StringTokenizer;

public class **Practica20** {

static String *rutaCarpeta*;

static String *separator*;

static Scanner *keyboard* = new Scanner(System.*in*);

static String[] *listDocumentos*;

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

int option = -1;

String nameFolder;

*p1\_CreateFolder*("ivan-monlau");

while (option != 0) {

*userMenu*();

option = *keyboard*.nextInt();

switch (option) {

case 1:

System.*out*.println("Folder Name?:");

nameFolder= *keyboard*.next();

*p1\_CreateFolder*(nameFolder);

break;

case 2:

//nombre extension ubicacion

System.*out*.println("Nombre Fichero?");

String fileName = *keyboard*.next();

System.*out*.println("TEXTO?");

String text=*keyboard*.next();

*p2\_CreateFile*(fileName, text);

break;

case 3:

//a- visualizar los archivos

*showFiles*();

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

int nFile= *keyboard*.nextInt();

fileName= *listDocumentos*[nFile-1];

System.*out*.println(fileName);

break;

case 4:

*showFiles*();

System.*out*.print("What file do you want to delete? ");

nFile = *keyboard*.nextInt();

fileName = *listDocumentos*[nFile-1];

fileName= *rutaCarpeta* + *separator* + fileName;

*deleteFile*(fileName);

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

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

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

break;

case 5:

*showFiles*();

System.*out*.print("What file do you want to edit? ");

nFile = *keyboard*.nextInt();

fileName = *listDocumentos*[nFile-1];

fileName= *rutaCarpeta* + *separator* + fileName;

text = *readFile*(fileName);

System.*out*.println(text);

*deleteFile*(fileName);

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

System.*out*.print("New text? ");

text = *keyboard*.next();

*editFile*(fileName, text);

text = *readFile*(fileName);

System.*out*.println("The new text is " + text);

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

break;

case 6:

*showFiles*();

System.*out*.print("What file do you want to count the characters? ");

nFile = *keyboard*.nextInt();

fileName = *listDocumentos*[nFile-1];

fileName= *rutaCarpeta* + *separator* + fileName;

text = *readFile*(fileName);

System.*out*.println(text);

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

System.*out*.println("This text has " + text.length() + " characters");

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

break;

case 7:

*showFiles*();

System.*out*.print("What file do you want to count the words? ");

nFile = *keyboard*.nextInt();

fileName = *listDocumentos*[nFile-1];

fileName= *rutaCarpeta* + *separator* + fileName;

text = *readFile*(fileName);

System.*out*.println(text);

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

StringTokenizer st = new StringTokenizer(text);

System.*out*.println("This text has " + st.countTokens() + " words");

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

break;

case 8:

*showFiles*();

System.*out*.print("What file do you want to change the words? ");

nFile = *keyboard*.nextInt();

fileName = *listDocumentos*[nFile-1];

fileName= *rutaCarpeta* + *separator* + fileName;

text = *readFile*(fileName);

System.*out*.println(text);

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

System.*out*.print("What word do you want to change? ");

String wordChange = *keyboard*.next();

System.*out*.print("New word? ");

String newWord = *keyboard*.next();

text = text.replace(wordChange,newWord);

*deleteFile*(fileName);

*editFile*(fileName, text);

text = *readFile*(fileName);

System.*out*.println("The new text is: " + text);

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

break;

case 9:

*showFiles*();

System.*out*.print("What file do you want to print? ");

nFile = *keyboard*.nextInt();

fileName = *listDocumentos*[nFile-1];

fileName= *rutaCarpeta* + *separator* + fileName;

text = *readFile*(fileName);

System.*out*.println(text);

File printFile = new File(fileName);

Desktop.*getDesktop*().print(printFile);

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

System.*out*.println("File " + fileName + " printed correctly");

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

break;

case 10:

System.*out*.println("Quieres salir? Y/N");

String res= *keyboard*.next();

if (res.equals("Y"))System.*out*.println("Good Bye");

else { option =90; }

break;

case 0:

//p0();

break;

default:

System.*out*.println("Option no aviable");

}

}while (option !=0);

}

private static void ***userMenu***() {

System.*out*.println("Iván Martínez");

System.*out*.println("Option 1-(Crear carpeta)");

System.*out*.println("Option 2-(Crear un fichero)");

System.*out*.println("Option 3-(DADO)");

System.*out*.println("Option 4-(Numbers 2)");

System.*out*.println("Option 5-(Marks M3)");

System.*out*.println("Option 6-(Dates M3)");

System.*out*.println("Option 7-(Said a number)");

System.*out*.println("Option 0- ");

System.*out*.print("**\n**Option == ? ");

}

private static void ***p1\_CreateFolder***(String nameFolder) {

String path= System.*getProperty*("user.dir");

//System.out.println(path);

*separator*= File.*separator*;

*rutaCarpeta*=path + File.*separator* + nameFolder;

//System.out.println(rutaCarpeta);

File carpeta=new File(*rutaCarpeta*);

//System.out.println(carpeta);

if(!carpeta.exists()) carpeta.mkdir();

}

private static void ***p2\_CreateFile***(String fileName, String text) throws IOException {

fileName= *rutaCarpeta* + *separator* + fileName + ".txt";

FileWriter fw= new FileWriter (fileName);

BufferedWriter bw=new BufferedWriter(fw);

//2- escribir en el fichero

bw.write(text);

//1-cerrar ficher

bw.flush();//borrar la memoria

bw.close();//cerrar el fichero(fileName, );

}

private static void ***showFiles***() {

File Folder = new File(*rutaCarpeta*);

*listDocumentos* = Folder.list();

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

System.*out*.println((i + 1) + "-" + *listDocumentos* [i]);

}

}

private static String ***readFile***(String fileName) throws IOException {

String text = "";

String line;

FileReader fr= new FileReader(fileName);

BufferedReader br=new BufferedReader(fr);

while((line=br.readLine()) != null){

text += line;

}

br.close();

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

return text;

}

private static void ***deleteFile***(String fileName){

File file = new File(fileName);

file.delete();

}

private static void ***editFile***(String fileName, String text) throws IOException {

FileWriter fw= new FileWriter(fileName);

BufferedWriter bw=new BufferedWriter(fw);

bw.write(text);

bw.flush();

bw.close();

}

}













































