

```

package alfa2;

import java.io.BufferedReader;
import java.io.InputStreamReader;
import java.net.HttpURLConnection;
import java.net.URL;
import java.util.Arrays;

import java.awt.BorderLayout;
import java.awt.EventQueue;
import java.awt.event.ActionEvent;
import java.io.File;
import javax.swing.AbstractAction;
import javax.swing.Action;
import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JMenu;
import javax.swing.JMenuBar;
import javax.swing.JMenuItem;
import javax.swing.JToolBar;

public class Alfa2 {

public static void main(String[] args) throws Exception
{
int j,ok=0,i;
String[] type_music, type_pictures, type_documents, type_videos ;
// pentru memorarea numelor complete ale tuturor tipurilor de fisiere
StringBuffer music = new StringBuffer();
StringBuffer pictures = new StringBuffer();
StringBuffer documents = new StringBuffer();
StringBuffer videos = new StringBuffer();
StringBuffer downloads = new StringBuffer();

String [][] directory =new String[100][10];
int x=0,y=0;
String [][] file =new String[100][10];
int z=0,w=0;

// tipuri de fisiere
type_music = new String[]{"mp3","wav"};
type_pictures = new String[]{"jpeg","gif","bmp","png","jpg"};
type_documents = new String[]{"doc","docx","xls","pdf","txt"};
type_videos = new String[]{"mkv","flv","avi","mp4"};
// preluare date intr-un string
String url = "http://www.mready.net/devacademy/input1.json";
URL obj = new URL(url);
HttpURLConnection con = (HttpURLConnection) obj.openConnection();
con.setRequestMethod("GET");
//con.setRequestProperty("User-Agent", USER_AGENT);

//int responseCode = con.getResponseCode();

BufferedReader in = new BufferedReader(
new InputStreamReader(con.getInputStream()));
String inputLine;
StringBuffer response = new StringBuffer();

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for( j=0;j<type_documents.length;j++)
{
if(Arrays.asList(splited[5]).contains(type_documents[j]))
{//System.out.println("doc "+splited[4]);
documents.append(splited[4]+"."+splited[5]);
documents.append(System.getProperty("line.separator"));
ok=1;
}
}

for( j=0;j<type_videos.length;j++)
{
if(Arrays.asList(splited[5]).contains(type_videos[j]))
{//System.out.println("video "+splited[4]);
videos.append(splited[4]+"."+splited[5]);
videos.append(System.getProperty("line.separator"));
ok=1;
}
}

// in cazul in care nu gasesc un fisier de tip
muzica/poza/document... etc
if(ok==0)
{
downloads.append(splited[4]+"."+splited[5]);
downloads.append(System.getProperty("line.separator"));
}

}

// preluare `directoare`
if(Arrays.asList(splitstr[i]).contains("\"type\": \"directory\","))
{
String[] splited3 = splitstr[i+1].split("\"|\\.|:|,");
ok=0;
// memorare fisiere si id ul lor
String[] splited4 = splitstr[i-1].split("\"|\\.|:|,");
//name
directory[x][1]=splited3[4];
//id
directory[x][0]=splited4[3];
x++;
//
// for(int o=0;o<splited3.length;o++)
// System.out.println(splited3[o]+" nr linie" +
o);

//System.out.println("dsad"+x);

}
}

// preluarea dosarelor si subdosarelor ... TERMINAT .... ( am preluat
doar nivelul fiecarui element )
int [] nivel_dosar = new int[5];
int ok1=0,l=0,nr0=1,nr1=0,nr2=0,nr3=0,nr4=0;
// nr 0 - nivel ( egala cu 1 pentru ca incepe file system cu [ ) ,
nr1 numerotare elemente(toate?), nr2 -numerotare dosare , nr3 numerotare
tot dintr-un dosar ,nr 4..

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String [][] nivel = new String [20][20];
// memorat tot pe nivel 1 2 sau 3
String [][] continut0 = new String [40][20];

// beta .. NETERMINAT .. pentru memorarea `arborelui` de dosare si
fisiere
// pentru memorarea fisierelor care sunt intr-un anumit dosar
String [][] continut1 = new String [40][20];
// pentru memorarea dosarelor care sunt in dosar
String [][] continut2 = new String [40][20];

        for(i=0;i<splitstr.length;i++)
{
    if(Arrays.asList(splitstr[i]).contains("."))
    {
        nr0--;
        nr1=0;
        while(continut0[nr0][nr1]!=null&& nr1<20)
            nr1++;

        nr2--;
        while(continut1[nr0][nr3]!=null&& nr3<20)
            nr3++;
    }
    if(Arrays.asList(splitstr[i]).contains("\"type\": \"directory\","))
    {

        String[] dosar=splitstr[i+1].split("\"|\\.|:|,");

        continut0[nr0][nr1]=dosar[4];
        nr0++;

        while(continut0[nr0][nr1]!=null&& nr1<20)
            nr1++;

        if(nr0>1)
        {
            continut1[nr2][nr3]=dosar[4];
            nr2++;
            nr3=0;
        }

    }
    if(Arrays.asList(splitstr[i]).contains("\"type\": \"file\","))
    {
        String[] fisier = splitstr[i+1].split("\"|\\.|:|,");
        continut0[nr0][nr1]=fisier[4]+"."+fisier[5];
        nr1++;

        continut1[nr2][nr3]=fisier[4]+"."+fisier[5];
        nr3++;
    }
}

```

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}
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```
//TERMINAT first point . Afisarea in consola a tipurilor de fisiere pe  
categorii  
System.out.println("Music");
```

```
String[] music1 = new String(music).split(System.lineSeparator());  
for(j=0;j<music1.length;j++)  
    System.out.println("\t"+music1[j].toString());
```

```
System.out.println("Pictures");
```

```
String[] pictures1 = new String(pictures).split(System.lineSeparator());  
for(j=0;j<pictures1.length;j++)  
    System.out.println("\t"+pictures1[j].toString());
```

```
System.out.println("Documents");
```

```
String[] documents1= new String(documents).split(System.lineSeparator());  
for(j=0;j<documents1.length;j++)  
    System.out.println("\t"+documents1[j].toString());
```

```
System.out.println("Downloads");
```

```
String[] downloads1= new String(downloads).split(System.lineSeparator());  
for(j=0;j<downloads1.length;j++)  
    System.out.println(downloads1[j].toString());
```

```
System.out.println("Videos");
```

```
String[] videos1= new String(videos).split(System.lineSeparator());  
for(j=0;j<videos1.length;j++)  
    System.out.println("\t"+videos1[j].toString());
```

```
// TERMINAT second point . Afisarea intr-o interfata grafica a fisierelor  
pe categorii  
// am facut doua ferestre pentru punctele 2 si 3,4 .  
//new  
NewJFrame(music1,pictures1,documents1,downloads1,videos1).setVisible(true  
);
```

```
// PARTIAL TERMINAT third/four point ...  
new NewJFrame1(directory,x,continut0, continut1 ).setVisible(true);
```

```
//          for(j=0;j<x;j++)
//          {
//              System.out.println("Dosarul "+ j+ directory[j][1]
+ " id "+ directory[j][0]);
//
//
//          }
```

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}
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}
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