/\* FUNCTION \*/

/\* KEYWORDS TO REPLACE \*/

%let kw1=Dj;%let kw\_repl1=DJ;

%let kw2=Mr;%let kw\_repl2=Mr.;

%let kw3=Ub40;%let kw\_repl3=UB40;

%let kw4=Jr;%let kw\_repl4=Jr.;

%let kw5=Dr;%let kw\_repl5=Dr.;

%let kw6=Ac/Dc;%let kw\_repl6=AC/DC;

%let kw7=Ii;%let kw\_repl7=II;

%let kw8=Iii;%let kw\_repl8=III;

%let kw9=Uk;%let kw\_repl9=UK;

%let kw10=Lmfao;%let kw\_repl10=LMFAO;

%let kw11=Nao;%let kw\_repl11=Não;

%let kw12=Voce;%let kw\_repl12=Você;

%let kw13=Legiao;%let kw\_repl13=Legião;

%let kw14=Coracao;%let kw\_repl14=Coração;

%let kw15=Coraçao;%let kw\_repl15=Coração;

%let kw16=Acustico;%let kw\_repl16=Acústico;

%let kw17=Mtv;%let kw\_repl17=MTV;

%let kw18=Fabio;%let kw\_repl18=Fábio;

%let kw19=Sao;%let kw\_repl19=São;

%let kw20=Varios;%let kw\_repl20=Vários;

%let kw21=Sr;%let kw\_repl21=Sr.;

%let kw22=Ze Ramalho;%let kw\_repl22=Zé Ramalho;

%let kw23=Feat ;%let kw\_repl23=Feat. ;

%let kw24=Ft ;%let kw\_repl24=Feat. ;

%let kw25=Ft. ;%let kw\_repl25=Feat. ;

%let kw26=ft. ;%let kw\_repl26=Feat. ;

%let kw27=AC\DC;%let kw\_repl27=AC/DC;

%let kw28=Ac\Dc;%let kw\_repl28=AC/DC;

%let kw29=Tupac ;%let kw\_repl29=2Pac;

%let kw30= Vs ;%let kw\_repl30= Vs. ;

%let kw31= vs ;%let kw\_repl31= Vs. ;

%let kw32=Bpm;%let kw\_repl32=BPM;

%let kw33=%str(`);%let kw\_repl33=%str(%');

%let kw34=Dont;%let kw\_repl34=Don%str(%')t;

%let kw35= .mp3;%let kw\_repl35=.mp3;

%let kw36=Joao;%let kw\_repl36=João;

%let no\_keyw=36; /\* WORD COUNT \*/

/\*

%let kw32=”;%let kw\_repl32=%str(%");

%put "&kw32" "&kw\_repl32";

%put "&kw33" "&kw\_repl33";

\*/

/\*%let kw29=HipHop;%let kw\_repl29=Hip-Hop;\*/

/\*%let kw30=Hip Hop;%let kw\_repl30=Hip-Hop;\*/

/\* FUNCTIONS \*/

**%macro** Is\_Art\_or\_AA(field);

%let cmp\_Art=%sysfunc(lowcase(&field));

%let cmp\_Art=%sysfunc(index(&cmp\_Art,art));

%let cmp\_Art=%eval(&cmp\_Art>0);

/\* test if var contains AA \*/

%let cmp\_AA=%sysfunc(lowcase(&field));

%let cmp\_AA=%sysfunc(index(&cmp\_AA,aa));

%let cmp\_AA=%eval(&cmp\_AA>0);

%let Result=%eval(&cmp\_Art or &cmp\_AA);

&Result

**%mend**;

**%macro** Both\_Pop(Pmt1,Pmt2);

%local result;

%let result=(compress(&Pmt1) ne "" and compress(&Pmt2) ne "");

&result

**%mend**;

%put %Both\_Pop(Test1,test2);

**%macro** Str\_found(Pmt);

%let result1=case

when sum(index(lowcase(genre),lowcase("&pmt"))>0)>0

and index(lowcase(genre),lowcase("&pmt"))=0

then "&pmt" end;

%let result2=strip(case when &result1 ne "" then "\"||trim(&result1)||"\" end);

&result2

**%mend**;

%put %Str\_found(Test);

**%macro** VarExist(ds,var);

%local rc dsid result resx;

%let dsid = %sysfunc(open(&ds));

%let resx = %sysfunc(varnum(&dsid, &var));

%let rc = %sysfunc(close(&dsid));

%if &resx>**0**

%then %let result = 1;

%else %let result = 0;

&result

**%mend** VarExist;

**%macro** Ascii(Entra\_v1,Saida\_v1,Not\_Ascii=**0**);

%let vari1=Art;

%let vari2=Title;

%let vari3=File;

%let vari4=AA;

%let vari5=Album;

%let vari6=Genre;

%let num\_vars=5;

%let Boole=0;

%do i=**1** %to &num\_vars;

%if %***VarExist***(&Entra\_v1,&&vari&i)

%***then*** %let Boole=&Boole or calculated Not\_Ascii\_&&vari&i;

/\*or calculated New\_not\_ascii&i;\*/

%end;

/\* IN THIS PART I CHECK WHAT CHARACTERS ARE NOT ANSI \*/

proc sql;

create table &Saida\_v1 as

select a.Location

%do i=**1** %to &num\_vars;

%if %***VarExist***(&Entra\_v1,&&vari&i)

%***then*** %do;

,verify(lowcase(&&vari&i),b.Ascii) as Not\_Ascii\_&&vari&i

%end;

/\*,verify(New\_&&vari&i,Ascii)=0 as New\_Not\_ascii&i\*/

%end;

,&Boole as Not\_Ascii

,a.\*

from &Entra\_v1 a, jose.Ascii b;

/\*where calculated Not\_ascii=&Not\_Ascii\*/

quit;

**%mend**;

/\* THE BELOW MACRO CLEANS UP THE ARTIST AND TITLE OF THE SONG \*/

/\* IT CHECKS FOR DUOS OR TRIOS, ETC, AND SEPARATES THEM WITH | \*/

/\* IF A FEATURED ARTIST IS ON THE TITLE, IT MOVES THIS ARTIST

/\* TO THE ARTIST VARIABLE AND REMOVES THEM FROM THE TITLE JUST

/\* FOR THE MATCH COMPARISON \*/

/\* delimiterS NAO REMOVE NUMEROS, APENAS OUTROS CARACTERES QUE NAO LETRAS, NUMEROS OU ^ \*/

**%macro** Padroniza(Entrada,Saida

,chave1=Art,chave2=Title

,chave3=,chave4=,chave5=,chave6=

,sort\_art=**1**,sort\_words=**0**,remove\_bracket\_cont=**0**

,remove\_spec\_chars=**1**,permut\_Art\_Title=**1**,log=**0**);

options notes=**0** nomprint;

/\* VARS THAT NEED TO BE STRAIGHTENED \*/

%let vari1=&chave1;

%let vari2=&chave2;

%let vari3=&chave3;

%let vari4=&chave4;

%let vari5=&chave5;

%let vari6=&chave6;

%let No\_tags=6;

%let delimiter=^;

%put #### &delimiter;

/\* DON'T CHANGE THE FIRST 10 POSITIONS BELOW \*/

%let pos1=" feat. ";

%let pos2="+";

%let pos3=" and ";

%let pos4=" & ";

%let pos5=" vs. ";

%let pos6=" vs ";

%let pos7=" e ";

%let pos8=" with ";

%let pos9=", ";

%let pos10=" y ";

%let pos11=" com ";

%let pos12=" \ ";

%let pos13=" / ";

%let num\_chars=13;

%let fr\_str=ßçñÿùúûüàáâãäåæèéêëíîïðòóôõöø/$my;

%let to\_str=bcniuuuuaaaaaaaeeeeiiiooooooo\sni;

/\* keywords replacement \*/

%let Fr1="in' ";%let To1="ing ";

%let Fr2=" the ";%let To2=" ";

%let Fr3=" o ";%let To3=" ";

%let Fr4=" a ";%let To4=" ";

%let Fr5=" os ";%let To5=" ";

%let Fr6=" as ";%let To6=" ";

%let Fr7="dj";%let To7=" ";

%let Fr8="ck";%let To8="k";

%let Fr9="ie";%let To9="i";

%let Fr10="ei";%let To10="i";

%let Fr11="ks";%let To11="x";

%let Fr12="sch";%let To12="x";

%let Fr13="ch";%let To13="x";

%let Fr14="sh";%let To14="x";

%let Fr15=" inch ";%let To15="";

%let Fr16=" ft. ";%let To16=" feat. ";

%let Fr17=" ft ";%let To17=" feat. ";

%let Fr18=" featuring ";%let To18=" feat. ";

%let Fr19=" feat ";%let To19=" feat. ";

%let Fr20=" junior ";%let To20=" jr ";

%let Fr21=" iou ";%let To21=" u ";

%let Fr22=" to ";%let To22=" 2 ";

%let Fr23=" one ";%let To23=" 1 ";

%let Fr24=" two ";%let To24=" 2 ";

%let Fr25=" three ";%let To25=" 3 ";

%let Fr26=" four ";%let To26=" 4 ";

%let Fr27=" five ";%let To27=" 5 ";

%let Fr28=" six ";%let To28=" 6 ";

%let Fr29=" seven ";%let To29=" 7 ";

%let Fr30=" eight ";%let To30=" 8 ";

%let Fr31=" nine ";%let To31=" 9 ";

%let Fr32=" ten ";%let To32=" 10 ";

%let Fr33=" twenti ";%let To33=" 20 ";

%let Fr34=" thirti ";%let To34=" 30 ";

%let Fr35=" forti ";%let To35=" 40 ";

%let Fr36=" fifti ";%let To36=" 50 ";

%let Fr37=" sixti ";%let To37=" 60 ";

%let Fr38=" seventi ";%let To38=" 70 ";

%let Fr39=" eighti ";%let To39=" 80 ";

%let Fr40=" nineti ";%let To40=" 90 ";

%let No\_of\_Kw=40;

%let Tam=25;

data &Saida;

/\* ONLY IF Art AND TITLE ARE TO BE STANDARDIZED \*/

%if &permut\_Art\_Title

%then %do; length Aux\_Tag $61.; %end;

set &Entrada;

length i j Pos No **3.** Fr To $4.;

/\* DO THE BELOW FOR ALL FIELDS \*/

%do i=**1** %to &No\_tags;

%if &log

%then put "### Vari&i-&&vari&i: Parte 0: " ;;

/\* TESTS IF FIELD IS BLANK \*/

%if &&vari&i ne %str()

%then %do;

/\* TRANSFORMS TO LOWCASE \*/

&&vari&i=lowcase(compbl(strip(&&vari&i)));

%if &log %then put "### Vari&i-&&vari&i: Parte 1: " &&vari&i;;

/\* %if &log %then put "### Z=&z Vari: &i: " Fr;;\*/

%if &log %then put "### Before char replacement: Parte 1.2 " &&vari&i;;

/\* REPLACE LETTERS \*/

&&vari&i=ktranslate(&&vari&i,"&To\_str","&Fr\_str");

%if &log %then put "### After char replacement: Parte 1.3 " &&vari&i;;

/\* REMOVES SOME WORDS FROM STRINGS \*/

if substr(&&vari&i,**1**,**4**)="the "

then &&vari&i=substr(&&vari&i,**4**);

if substr(&&vari&i,**1**,**2**) in ("o ","a ")

then &&vari&i=substr(&&vari&i,**3**);

if substr(&&vari&i,**1**,**3**) in ("os ","as ")

then &&vari&i=substr(&&vari&i,**4**);

%do z=**1** %to &No\_of\_Kw;

&&vari&i=tranwrd(&&vari&i,&&Fr&z,&&To&z);

%if &log %then %put Z=&z &&Fr&z &&To&z;;

%end;

%if &log %then put "### Vari&i: Parte 1.4: " &&vari&i;;

/\* REPLACES DOUBLE LETTER WITH SINGLE LETTER \*/

/\* HERE IS FROM-TO \*/

do i=rank("a") to rank("z");

&&vari&i=tranwrd(&&vari&i,strip(byte(i))||strip(byte(i)),strip(byte(i)));

end;

/\* REPLACES VARIOUS DELIMITERS WITH SINGLE DELIMITER \*/

/\* THIS IS TO SAVE ON SPACE AND BE ABLE TO FIND LAST OCCURRENCE \*/

/\* test if var contains Art \*/

%do j=**1** %to &num\_chars;

%if %***Is\_Art\_or\_AA***(&&vari&i)

%***then*** %do;

&&vari&i=tranwrd(&&vari&i,&&Pos&j," &delimiter ");

%end;

%end;

%if &log %then put "### Vari&i: Parte 2: " &&vari&i;;

&&vari&i=compbl(&&vari&i);

%if &log %then put "### Vari&i: Parte 3: " &&vari&i;;

/\* END DO "IF" \*/

%end;

/\* END DO "DO" \*/

%end;

%do i=**1** %to &No\_tags;

/\* TESTA SE A VARIAVEL NAO EH BLANK \*/

%if &&vari&i ne %str()

%then %do;

/\* IF TO REMOVE WHAT COMES AFTER THE "(". DOES IT ONLY FOR TITLE. \*/

/\* FINDS THE LAST OCCURRENCE OF "(" \*/

%let cmp\_Tit=%sysfunc(lowcase(&&vari&i))=title;

%if %eval(&remove\_bracket\_cont and &cmp\_Tit)

%then %do;

pos=findc(&&vari&i,"(","B");

&&vari&i=substr(&&vari&i,**1**,pos-**1**);

%end;

/\* IF TO SORT MULTIPLE ArtS FOUND BETWEEN DELIMITERS IN THE Art NAME \*/

%if %eval(&sort\_Art and %***Is\_Art\_or\_AA***(&&vari&i))

%then %do;

/\* REPLACES COMMAS WITH SEPARATOR \*/

&&vari&i=compbl(tranwrd(&&vari&i,","," &delimiter "));

%if &log %then put "### Vari&i: Parte 4: " &&vari&i;;

%if &sort\_words

%then &&vari&i=tranwrd(strip(&&vari&i)," "," &delimiter ");;

%if &log %then put "### Vari&i: Parte 5: " &&vari&i;;

/\* SORTS THE VARIOUS ArtS \*/

/\* THAT IS DONE ONLY AFTER REMOVING NUMBERS, SO ORDER REALLY IS WHAT SHOWS \*/

no=countc(strip(&&vari&i),"&delimiter")+**1**;

%if &log %then put "#### No " no;;

%if &log %then put "### Vari&i: Parte 6: " &&vari&i;;

if **2**<=no<=&Tam

then do;

array Arts&i{&Tam} $35. \_temporary\_;

/\* initializes/resets the array \*/

do z=**1** to &Tam;

Arts&i[z]="";

end;

do i=**1** to no;

if compress(scan(&&vari&i,i,"&delimiter")) ne ""

then Arts&i[i]=strip(scan(&&vari&i,i,"&delimiter"));

end;

do i=**1** to no-**1**;

do j=i+**1** to no;

if Arts&i[i]>Arts&i[j]

and compress(Arts&i[i]) ne ""

and compress(Arts&i[j]) ne ""

then do;

aux=Arts&i[i];

Arts&i[i]=Arts&i[j];

Arts&i[j]=aux;

end;

end;

end;

&&vari&i=Arts&i[**1**];

/\* put "##primeiro valor" Arts&i[1]; \*/

do i=**2** to no;

if compress(Arts&i[i]) ne ""

then do;

&&vari&i=strip(&&vari&i)||" "||strip(Arts&i[i]);

/\* put "##demais valor" i Arts&i[i]; \*/

end;

end;

drop No aux j;

/\* END OF IF NO>=2 \*/

end;

%end;

/\* REMOVES ALL SPECIAL CHARACTERS BUT SINGLE DELIMITER \*/

%if &remove\_spec\_chars

%then %do;

do i=**1** to length(&&vari&i);

letra=substr(&&vari&i,i,**1**);

\* put "### letra: " letra;

\* put "### &&vari&i: " &&vari&i;

/\* NUMBERS WILL ONLY BE CONSIDERED IN THE NAME IF THEY APPEAR FROM THE 5TH CHARACTER ONWARDS \*/

if not (("a"<=letra<="z") or ("0"<=letra<="9") or letra in (" ","&delimiter"))

then substr(&&vari&i,i,**1**)="@";

end;

&&vari&i=compress(strip(&&vari&i),"@");

\* put "### Replace &&vari&i: " &&vari&i;

%end;

/\* TERMINO DA CONDICAO DE SE A VARIAVEL NAO EH BLANK \*/

&&vari&i=strip(compbl(&&vari&i));

if "&&vari&i" ne "";

%end;

/\* TERMINO DO "DO" abaixo \*/

%end;

/\* THE BELOW MEANS Art AND TITLE MAY BE PERMUTATED \*/

/\* THIS WILL PERMUTATE Art AND TITLE BASED ON THE FIRST LETTER \*/

%if &permut\_Art\_Title

%then %do;

if Art>title

then do;

Aux\_Tag=Art;

Art=title;

Title=Aux\_Tag;

end;

%end;

/\* DROP AUX VARIABLES \*/

drop i j letra z Pos Aux\_Tag To Fr;

run;

proc sort data=&Saida;

by art title;

run;

options notes=**1**;

**%mend**;

/\* FUNCTION \*/

**%macro** when\_statem(vari,word\_to\_search);

%let cont=%eval(&cont+1);

%let retvalue=(index(lowcase(&vari),"&word\_to\_search")>0) then &cont;

&retvalue

**%mend**;

/\* COLETANEAS (TYPE OF KEYWORD THAT ARE UNDESIRABLE) \*/

**%macro** Greatest\_Hits(vari);

%Global Cont;

%let cont=0;

%let retvalue=

case

when %when\_statem(&vari,greatest)

/\*when %when\_statem(&vari,soundtrack) \*/

/\*when %when\_statem(&vari,o.s.t) \*/

when %when\_statem(&vari,best of)

when %when\_statem(&vari,perfil)

when %when\_statem(&vari,grandes)

when %when\_statem(&vari,melhor)

when %when\_statem(&vari,maiores)

when %when\_statem(&vari,sucesso)

when %when\_statem(&vari,singles)

when %when\_statem(&vari,gold)

when %when\_statem(&vari,hits)

when %when\_statem(&vari,classics)

when %when\_statem(&vari,concert)

when %when\_statem(&vari,collect)

when %when\_statem(&vari,coletânea)

when %when\_statem(&vari,coleção)

when %when\_statem(&vari,coleccion)

when %when\_statem(&vari,millenium)

when %when\_statem(&vari,maxxim)

when %when\_statem(&vari,ultimate)

when %when\_statem(&vari,anthology)

when %when\_statem(&vari,antologia)

when %when\_statem(&vari,complete)

when %when\_statem(&vari,compilation)

when %when\_statem(&vari,seleção)

when %when\_statem(&vari,selecao)

when %when\_statem(&vari,edição)

when %when\_statem(&vari,edition)

when %when\_statem(&vari,exitos)

when %when\_statem(&vari,éxitos)

when %when\_statem(&vari,70)

when %when\_statem(&vari,80)

when %when\_statem(&vari,90)

when %when\_statem(&vari,especial)

when %when\_statem(&vari,tour)

when %when\_statem(&vari,years)

when %when\_statem(&vari,anos)

when %when\_statem(&vari,platinum)

when %when\_statem(&vari,série)

when %when\_statem(&vari,series)

when %when\_statem(&vari,mtv)

when %when\_statem(&vari,essential)

when %when\_statem(&vari,essencial)

when %when\_statem(&vari,20 mais)

else 0 end;

&retvalue

**%mend**;

**%macro** str\_chk(vari,word\_to\_search);

%let retvalue=(index(lowcase(&vari),"&word\_to\_search")>0);

&retvalue

**%mend**;

/\* THE BELOW CODE WILL CHANGE TO THE TAGS IF A "NEW\_TAG" FIELD EXISTS \*/

/\* THE BELOW WILL GENERATE SCRIPT TO ADD THE TRACKS \*/

**%macro** Changes\_tags(playlist,tabela,check\_art=true,encode=utf8);

/\* THESE ARE ALL THE COUNTS TO KEEP TRACK OF: \*/

%let vari1=Artist; %let nome1=Art;

%let vari2=Name; %let nome2=Title;

%let vari3=AlbumArtist; %let nome3=AA;

%let vari4=SortArtist; %let nome4=Art\_Sort;

%let vari5=SortAlbumArtist;%let nome5=AA\_Sort;

%let vari6=Album; %let nome6=Album;

%let vari7=Genre; %let nome7=Genre;

%let vari8=Grouping; %let nome8=Grouping;

%let vari9=Year; %let nome9=Year;

%let vari10=Rating; %let nome10=Rating;

%let vari11=PlayedCount; %let nome11=PlayedCount;

%let vari12=SkippedCount; %let nome12=SkippedCount;

%let No\_Vars=12;

%let check\_art=%sysfunc(lowcase(&check\_art));

/\* SET MODIFY ON OR OFF FOR ALL \*/

data \_null\_;

file "/home/jrsousa2/AVBScripts/&playlist..vbs " encoding=&encode;

set &tabela end=fim;

/\*T=fim;\*/

/\* Here it can't be a Rename cause sometimes these fields don't exist \*/

/\* AQUI TENHO QUE COLOCAR VARIAVEIS QUE NAO TEM O NOME ESPERADO PELO ITUNES \*/

%do i=**1** %to **12**;

%if %***VarExist***(&tabela,New\_&&nome&i)

%***then*** %do;

&&vari&i=&&nome&i;;

New\_&&vari&i=New\_&&nome&i;;

%end;

%end;

;

/\* INITIALIZATION \*/

if \_n\_=**1** then do;

put "Dim iTunesApp ";

put "Dim playlist ";

put "Dim FullPath ";

put "Dim tracks ";

put "Dim track ";

put;

/\*Connect to iTunes app\*/

put "Set iTunesApp = CreateObject(""iTunes.Application.1"") ";

put "Set FSO = CreateObject(""Scripting.FileSystemObject"") ";

/\* put "Set oTracks = iTunesApp.LibraryPlaylist ";\*/

put;

/\*'Create playlist\*/

put "Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"") ";

put "If playlist is Nothing Then ";

put " iTunesApp.CreatePlaylist(""&playlist\_name"") ";

put " Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"") ";

put "Else ";

/\*'DELETE\*/

put " playlist.delete ";

/\*'recreate playlist\*/

put " iTunesApp.CreatePlaylist(""&playlist\_name"") ";

put " Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"") ";

put "End If ";

put;

put;

/\*put "On error resume next ";\*/

/\* THE BELOW IS TO COUNT HOW MANY TAGS OF EACH KIND CHANGED \*/

%do i=**1** %to &No\_Vars;

%if %***VarExist***(&tabela,New\_&&nome&i)

%***then*** %do;

put "Total\_&&vari&i = 0 ";

%end;

%end;

put;

%do i=**1** %to &No\_Vars;

%if %***VarExist***(&tabela,New\_&&nome&i)

%***then*** %do;

put "count\_&&vari&i = 0 ";

%end;

%end;

/\* below var is computed if chosen in the pmt \*/

put;

put "Has\_Art = False ";

put "count\_Has\_Art = 0 ";

put "count\_Add\_Genre = 0 ";

put;

/\* BELOW IS THE INITIALIZATION OF THE TRACK (WILL BE INCREMENTED IF NO ERROR ADDING TRACK) \*/

put "Obs = 0 ";

put "Miss = 0 ";

/\* SAS IF END \*/

end;

put ;

length cmd aux $250.;

/\* THE BELOW BLOCK WILL ONLY BE EXECUTE IF TRACK ASSIGN DOESN'T FAIL \*/

put;

/\* DISPLAYS MESSAGE ON THE SCREEN \*/

cmd="WScript.Echo ""Track "||compress(\_n\_)||" - "" & """||trim(location)||""" ";

put cmd;

cmd="If FSO.FileExists("""||trim(location)||""") Then";

put cmd;

/\* ADDS FILE TO PLAYLIST \*/

cmd="playlist.AddFile("""||trim(location)||""") ";

put cmd;

/\* COUNTER \*/

put "Obs = Obs+1 ";

/\* ADDS TRACK \*/

cmd="Set track = playlist.Tracks.Item(Obs) ";

put cmd;

/\* IF NOT TO CHECK ART, THEN SET HAS\_ART TO FALSE REGARDLESS OF HAVING ART \*/

if not (lowcase("&Check\_Art")="false")

then do;

put "Set Artobj = track.Artwork ";

put "If Artobj.Count>0 Then ";

put " Has\_Art = True ";

put "Else ";

put " Has\_Art = False ";

put "End If ";

end;

else put "Has\_Art = False ";

put;

/\* UPDATES ALL 10 TAGS \*/

%do i=**1** %to &No\_Vars;

/\* EXCEPTION FOR ALBUM CHANGE \*/

/\* ONLY WHEN CHANGING ALBUM I NEED TO CHECK IF THERE'S ART \*/

/\* (I DON'T WANT TO CHANGE IT TO MISMATCH COVER) \*/

%if %sysfunc(lowcase(&&vari&i))=albumartist or %sysfunc(lowcase(&&vari&i))=album

%then %let Art\_Check=not Has\_Art;

%else %let Art\_Check=True;

/\*

%let VBfuncao=;

%if %sysfunc(lowcase(&&vari&i))=location

%then %do;

%let funcao=lowcase;

%let VBfuncao=Lcase;

%end;

\*/

%if &i<=**6**

%then %let funcao=trim;

%else %let funcao=compress;

if missing(New\_&&vari&i)

then do;

/\* put "WScript.Echo ""Can't set &&vari&i to blank"" ";\*/

end;

else if **1** /\*&&vari&i ne New\_&&vari&i\*/

then do;

put "Total\_&&vari&i = Total\_&&vari&i+1 ";

/\* Removi abaixo isso => ""&&vari&i""=""AlbumArtist"" or \*/

put "If Has\_Art and ""&check\_art""=""true"" and (""&&vari&i""=""Album"") Then ";

put " WScript.Echo ""Track has art!"" ";

put " " "count\_Has\_Art = count\_Has\_Art+1 ";

put "End If ";

/\* a parte abaixo foi adicionada para o caso de eu querer forcar a regravacao da tag \*/

if not (&&vari&i=New\_&&vari&i and not missing(&&vari&i))

then cmd="If (&Art\_Check) and track.&&vari&i<>"""||&funcao(New\_&&vari&i)||""" Then ";

else cmd="If (&Art\_Check) Then ";

put cmd;

put " WScript.Echo ""Changing &&vari&i"" ";

if New\_&&vari&i ne "@delete"

then cmd="track.&&vari&i = """||&funcao(New\_&&vari&i)||""" ";

else cmd="track.&&vari&i = """" ";

put " " cmd;

put " " "count\_&&vari&i = count\_&&vari&i+1 ";

put "Else ";

cmd=" If track.&&vari&i="""||&funcao(New\_&&vari&i)||""" Then ";

put " " cmd;

put " WScript.Echo ""Not changing &&vari&i, tags are equal!"" ";

put " Else ";

put " WScript.Echo ""Not changing &&vari&i, it has a cover!"" ";

put " End If ";

put "End If ";

put ;

end;

%end;

/\* ADDING A GENRE \*/

if missing(Add\_Genre)

then do;

/\*put "WScript.Echo ""Can't add Genre"" ";\*/

end;

else do;

put " WScript.Echo ""Adding Genre"" ";

put " If track.Genre = """" Then ";

cmd=" track.Genre="""||trim(Add\_Genre)||""" ";

put " " cmd;

put " count\_Add\_Genre = count\_Add\_Genre+1 ";

put " Else ";

cmd=" If Instr(Lcase(track.genre),"""||trim(lowcase(Add\_Genre))||""")=0 Then ";

put " " cmd;

cmd=" track.Genre=Replace(track.Genre & ""\"||trim(Add\_Genre)||""" ,""\\"",""\"")";

put " " cmd;

put " count\_Add\_Genre = count\_Add\_Genre+1 ";

put " End If ";

put " End If ";

put ;

end;

put "Else ";

put " miss = miss + 1";

put " Wscript.Echo ""File not found!""";

/\* END OF THE TEST FOR ERROR ADDING TRACK \*/

put "End If ";

/\* LINE BREAK \*/

put "WScript.Echo ";

/\* FINAL \*/

if fim=**1**

then do;

put;

put;

cmd="Wscript.Echo ""Finished!"" ";

put cmd;

put ;

%do i=**1** %to &No\_Vars;

%if %***VarExist***(&tabela,New\_&&nome&i)

%***then*** %do;

cmd="Wscript.Echo ""&&vari&i: "" & count\_&&vari&i & "" of "" & Total\_&&vari&i & "" tags modified"" ";

put cmd;

%if &&nome&i=Album

%then %do;

cmd="Wscript.Echo ""Albums not changed due to artwork: "" & count\_Has\_Art";

put cmd;

%end;

%end;

%end;

put "If count\_Add\_Genre>0 Then ";

cmd="Wscript.Echo ""Added genres: "" & count\_Add\_Genre & "" of "" & Obs+Miss & "" files"" ";

put " " cmd;

put "End If";

put ;

cmd="Wscript.Echo ""Missing files: "" & miss & "" of "" & Obs+Miss & "" files"" ";

put cmd;

put ;

if **0**

then do;

put "Wscript.StdOut.Write vbNewLine & ""Press ENTER to continue"" ";

put "Do While Not WScript.StdIn.AtEndOfLine ";

put " Input = WScript.StdIn.Read(1) ";

put "Loop ";

end;

end;

/\* FIM \*/

run;

**%mend**;

/\* CHECKS EACH LETTER \*/

**%macro** Proper(arq,saida=Upcase,genre=no);

%global modify\_genre;

%let vari1=Art;

%let vari2=Title;

%let vari3=File;

%let vari4=AA;

%let vari5=Album;

%let vari6=Genre;

%let VA=%str("vários","various","various","varios");

%if %sysfunc(lowcase(&genre))=yes

%then %do;

%let num\_vars=6;

%let modify\_genre=true;

%let Genre\_Flag=Genre ne New\_Genre;

%let Gen\_Len=%str(New\_Genre $80.);

%end;

%else %do;

%let num\_vars=5;

%let modify\_genre=false;

%let Genre\_Flag=0;

%let Gen\_Len=;

%end;

%let spec\_char1=(;

/\*%let spec\_char2=[;\*/

%let num\_spec\_chars=1;

data &saida;

retain Location;

/\*retain Art\_Flag Title\_Flag File\_Flag AA\_Flag Album\_Flag Genre\_Flag;\*/

retain Art New\_Art Title New\_Title File New\_File;

retain AA New\_AA Album New\_Album Genre New\_Genre Pos;

length New\_Art $150. New\_Title $140. File $180. New\_File $200.;

length New\_AA $140. New\_Album $170. SubDir $50. &Gen\_Len;

set &arq;

/\* BELOW HAS BEEN TESTED \*/

Subdir=substr(location,**1**,findc(location,"\","B"));

File=left(tranwrd(Location,trim(Subdir),""));

%do i=**1** %to &num\_vars;

%if %***VarExist***(&arq,&&vari&i) or &&vari&i=File

%then %do;

if not index(&&vari&i,"""")>**0**;

T\_&&vari&i=(compbl(&&vari&i)=&&vari&i);

/\* INITIALIZATION \*/

Aux\_&&vari&i=left(trim(compbl(&&vari&i)));

New\_&&vari&i=left(trim(compbl(&&vari&i)));

%do j=**1** %to &num\_spec\_chars;

Aux\_&&vari&i=tranwrd(Aux\_&&vari&i,"&&spec\_char&j"," &&spec\_char&j ");

New\_&&vari&i=tranwrd(New\_&&vari&i,"&&spec\_char&j"," &&spec\_char&j ");

/\* KEYWORD REPLACEMENT \*/

%do k=**1** %to &no\_keyw;

Aux\_&&vari&i=tranwrd(Aux\_&&vari&i," &&kw&k "," &&kw\_repl&k ");

if substr(Aux\_&&vari&i,**1**,length("&&kw&k")+**1**)="&&kw&k "

then Aux\_&&vari&i="&&kw\_repl&k "||trim(substr(Aux\_&&vari&i,length("&&kw&k")+**2**));

New\_&&vari&i=tranwrd(New\_&&vari&i," &&kw&k "," &&kw\_repl&k ");

if substr(New\_&&vari&i,**1**,length("&&kw&k")+**1**)="&&kw&k "

then New\_&&vari&i="&&kw\_repl&k "||trim(substr(New\_&&vari&i,length("&&kw&k")+**2**));

%end;

%end;

/\* REMOVING EXTRA SPACES AGAIN \*/

Aux\_&&vari&i=left(trim(compbl(Aux\_&&vari&i)));

New\_&&vari&i=left(trim(compbl(New\_&&vari&i)));

spaces=countc(trim(New\_&&vari&i)," ")+**1**;

Pos=**1**;

do j=**1** to spaces;

length word $40.;

word=scan(Aux\_&&vari&i,j," ");

if (substr(word,**1**,**1**) ne upcase(substr(word,**1**,**1**)))

then substr(New\_&&vari&i,Pos,**1**)=upcase(substr(word,**1**,**1**));

Pos=Pos+length(word)+**1**;

/\* output;\*/

end;

/\* FIX THE SPEC CHARS NOW: "(","[" \*/

%do j=**1** %to &num\_spec\_chars;

New\_&&vari&i=left(compbl(tranwrd(New\_&&vari&i," &&spec\_char&j "," &&spec\_char&j")));

New\_&&vari&i=left(compbl(tranwrd(New\_&&vari&i," )",")")));

if substr(New\_&&vari&i,**1**,length("&&spec\_char&j")+**1**)="&&spec\_char&j "

then New\_&&vari&i="&&spec\_char&j"||trim(substr(New\_&&vari&i,length("&&spec\_char&j")+**2**));

%end;

/\* REPLACING SQUARE BRACKETS \*/

if lowcase("&&vari&i") in ("art","title")

then do;

New\_&&vari&i=left(compbl(tranwrd(New\_&&vari&i,"[","(")));

New\_&&vari&i=left(compbl(tranwrd(New\_&&vari&i,"]",")")));

end;

New\_&&vari&i=left(right(trim(compbl(New\_&&vari&i))));

%if &&vari&i=File

%then %do;

Pos=find(lowcase(New\_File),".mp3","B")-**1**;

New\_File=substr(New\_File,**1**,Pos)||".mp3";

New\_File=tranwrd(New\_File," .mp3",".mp3");

%end;

drop Aux\_&&vari&i;

%end;

%end;

Tag\_Change=**0**;

%do i=**1** %to &num\_vars;

%if %***VarExist***(&arq,&&vari&i) or &&vari&i=File

%then %do;

if &&vari&i=New\_&&vari&i

then New\_&&vari&i="";

else if lowcase("&&vari&i") ne "file"

then Tag\_Change=**1**;

/\* T are flags for extra blank spaces \*/

keep &&vari&i New\_&&vari&i T\_&&vari&i ;

/\* Flags nao precisa mais \*/

/\*%if &&vari&i=Genre

%then Genre\_Flag=&Genre\_Flag;;

length &&vari&i..\_Flag 3.;

keep &&vari&i..\_Flag;\*/

%end;

%end;

/\* STANDARDIZES V.A. AA \*/

/\*

select;

when (lowcase(AA) in (&VA) and index(lowcase(genre),"brasil")=0) new\_AA="Various";

when (lowcase(AA) in (&VA) and index(lowcase(genre),"brasil")>0) new\_AA="Vários";

otherwise ;

end;

\*/

if Tag\_Change or (New\_File ne "");

/\* KEEP RELEVANT VARS \*/

keep Location Subdir;

keep Tag\_Change;

run;

/\* DISCARDS NON-ANSI CHARS \*/

/\*%Ascii(&saida,&saida);\*/

**%mend**;

/\*

%let playlist\_name=AAA\_Change\_Path;

%changes\_tags(&playlist\_name,File\_changed2,

modify\_location=true,check\_art=false);

\*/

/\* THIS CODE WILL MOVE A FILE BOTH IN WIN EPLORER AND IN ITUNES AT THE SAME TIME \*/

**%macro** Changes\_path(playlist\_name,arqui,add\_track\_only=false,encode=UTF8);

data \_null\_;

file "/home/jrsousa2/AVBScripts/&playlist\_name..vbs" encoding=&encode;

set &arqui end=fim;

length cmd $1000.;

/\* Variables \*/

if \_n\_=**1** then do;

put "Dim iTunesApp";

put "Dim playlist";

put "Dim track";

put;

/\*Connect to iTunes app\*/

put "Set iTunesApp = CreateObject(""iTunes.Application.1"")";

put "Set FSO = CreateObject(""Scripting.FileSystemObject"")";

put;

/\*'Create playlist\*/

put "Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"")";

put "If playlist is Nothing Then";

put " iTunesApp.CreatePlaylist(""&playlist\_name"")";

put " Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"")";

put "Else";

/\*'DELETE\*/

put " playlist.delete";

/\*'recreate playlist\*/

put " iTunesApp.CreatePlaylist(""&playlist\_name"")";

put " Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"")";

put "End If";

put;

/\* HERE WE DON'T WANT MISTAKES \*/

/\* put "On error resume next";\*/

put "count = 0";

put "track\_no = 0";

put "cant\_move = 0";

put "Miss = 0 ";

put;

/\* SAS IF END \*/

end;

/\* TRACK NO. \*/

cmd="Wscript.Echo ""Overall track "||compress(put(\_n\_,best5.))||": "" & """||trim(File)||"""";

put cmd;

cmd="If FSO.FileExists("""||trim(location)||""") Then";

put cmd;

put " " "track\_no = track\_no+1";

cmd="WScript.Echo ""Adding track "" & track\_no ";

put " " cmd;

cmd="playlist.AddFile("""||trim(location)||""")";

put " " cmd;

/\* THE BELOW IS A SAS COMMAND \*/

if lowcase("&add\_track\_only")="false" and not missing(new\_location)

then do;

cmd="Set track = playlist.Tracks.Item(track\_no)";

put " " cmd;

put " If track.Location<>"""" Then";

cmd="If FSO.FileExists("""||trim(new\_location)||""") Then";

put " " cmd;

put " " "Wscript.Echo ""File exists, not moving""";

put " cant\_move = cant\_move+1";

put " Else";

put " Wscript.Echo ""Changing iTunes location""";

/\* HERE I BREAK THE CODE INTO 2 LINES, DUE TO SIZE \*/

cmd="FSO.MoveFile """||trim(location)||""", \_";

put " " cmd;

cmd=""""||trim(New\_location)||"""";

put " " cmd;

cmd="track.Location = """||trim(New\_location)||"""";;

put " " cmd;

put " " "If (Err.Number=0 or true) Then count = count+1";

cmd="Wscript.Echo ""Moved "" & count & "" tracks""";

put " " cmd;

put " End If";

put " End If";

end;

put "Else";

put " Miss = Miss+1";

put " Wscript.Echo ""File not found!""";

put "End If";

put "Wscript.Echo";

put;

put;

if Fim

then do;

cmd="Wscript.Echo ""Finished: "" & Count & "" files moved""";

put cmd;

cmd="Wscript.Echo ""Missing files: "" & miss ";

put cmd;

cmd="Wscript.Echo ""Can't move to not overwrite: "" & cant\_move ";

put cmd;

if **0**

then do;

put "Wscript.StdOut.Write vbNewLine & ""Press ENTER to continue"" ";

put "Do While Not WScript.StdIn.AtEndOfLine ";

put " Input = WScript.StdIn.Read(1) ";

put "Loop ";

end;

end;

/\* FIM \*/

run;

**%mend**;

/\* this will make a copy of the embedded art into the given subfolder \*/

/\* the subfolder is in image\_fullname \*/

**%macro** downl\_art(playlist\_name,dataset,encode=UTF8);

data \_null\_;

file "/home/jrsousa2/AVBScripts/&playlist\_name..vbs" encoding=&encode;

set &dataset end=fim;

length cmd $700.;

/\* Variables \*/

if \_n\_=**1**

then do;

put "Dim iTunesApp";

put "Dim playlist";

put "Dim track";

put "Dim Missi(100)";

put;

/\*Connect to iTunes app\*/

put "Set iTunesApp = CreateObject(""iTunes.Application.1"")";

put "Set FSO = CreateObject(""Scripting.FileSystemObject"")";

put;

/\*'Create playlist\*/

put "Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"")";

put "If playlist is Nothing Then";

put " iTunesApp.CreatePlaylist(""&playlist\_name"")";

put " Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"")";

put "Else";

/\*'DELETE\*/

put " playlist.delete";

/\*'recreate playlist\*/

put " iTunesApp.CreatePlaylist(""&playlist\_name"")";

put " Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"")";

put "End If";

put;

put "count=0";

put "track\_no = 0";

put "count\_miss\_trk=0";

put "count\_miss\_folder=0";

/\* HERE WE DON'T WANT MISTAKES \*/

/\*put "On error resume next";\*/

put;

/\* SAS IF END \*/

end;

/\* TRACK NO. \*/

cmd="Arq\_exist = FSO.FileExists("""||trim(location)||""")";

put cmd;

cmd="Diret\_exist = FSO.FolderExists("""||trim(cover\_folder)||""")";

put cmd;

put "If Arq\_exist And Diret\_exist Then";

put " " "track\_no = track\_no+1";

cmd="WScript.Echo ""Adding track "||compress(put(\_n\_,best4.))||": "||trim(art)||" - "||trim(title)||"""";

put " " cmd;

cmd="playlist.AddFile("""||trim(location)||""")";

put " " cmd;

cmd="Set track = playlist.Tracks.Item(track\_no)";

put " " cmd;

put " Set Artobj = track.Artwork";

put " If Artobj.Count>0 Then";

put " count=count+1";

cmd="Art\_File = """||trim(image\_fullname)||"""";

put " " cmd;

cmd="Artobj.Item(1).SaveArtworkToFile(Art\_File)";

put " " cmd;

put " End If";

put "Else";

put " If not Diret\_exist Then";

put " count\_miss\_folder=count\_miss\_folder+1";

cmd="Set Folder=FSO.GetFolder("""||trim(cover\_folder)||""")";

put " " cmd;

put " Folder.delete";

put " End If";

put " If not Arq\_exist Then";

put " count\_miss\_trk=count\_miss\_trk+1";

cmd="Missi(count\_miss\_trk) = """||trim(substr(cover\_folder,**25**))||"""";

put " " cmd;

put " End If";

put "End If";

put;

if Fim

then do;

put;

put;

put "Wscript.Echo";

put "Wscript.Echo";

cmd="Wscript.Echo ""Finished: "" & count\_miss\_trk & "" missing tracks, "" & count & "" covers saved""";

put cmd;

cmd="Wscript.Echo ""Plus: "" & count\_miss\_folder & "" missing folders, "" & 0 & "" test""";

put cmd;

put "For i=1 to count\_miss\_trk";

cmd="Wscript.Echo ""Tracks missing: "" & i & "": "" & Missi(i)";

put " " cmd;

put "Next";

put;

if **0**

then do;

put "Wscript.StdOut.Write vbNewLine & ""Press ENTER to continue"" ";

put "Do While Not WScript.StdIn.AtEndOfLine ";

put " Input = WScript.StdIn.Read(1) ";

put "Loop ";

end;

end;

/\* FIM \*/

run;

**%mend**;

/\* this will make a copy of the embedded art into the given subfolder \*/

**%macro** attach\_art(playlist\_name,dataset,encode=UTF8);

data \_null\_;

file "/home/jrsousa2/AVBScripts/&playlist\_name..vbs" encoding=&encode;

set &dataset end=fim;

by Key;

length cmd $700.;

/\* Variables \*/

if \_n\_=**1**

then do;

put "Dim iTunesApp";

put "Dim playlist";

put "Dim track";

put;

/\*Connect to iTunes app\*/

put "Set iTunesApp = CreateObject(""iTunes.Application.1"")";

put "Set FSO = CreateObject(""Scripting.FileSystemObject"")";

put;

/\*'Create playlist\*/

put "Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"")";

put "If playlist is Nothing Then";

put " iTunesApp.CreatePlaylist(""&playlist\_name"")";

put " Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"")";

put "Else";

/\*'DELETE\*/

put " playlist.delete";

/\*'recreate playlist\*/

put " iTunesApp.CreatePlaylist(""&playlist\_name"")";

put " Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"")";

put "End If";

put;

put "count\_std = 0";

put "count\_updt = 0";

put "count\_trk = 0";

put "count\_album = 0";

put "count\_miss\_trk = 0";

put "count\_miss\_folder = 0";

/\* HERE WE DON'T WANT MISTAKES \*/

/\*put "On error resume next";\*/

put;

/\* SAS IF END \*/

end;

if first.Key

then First="true ";

else First="false";

if first.Key

then do;

put "count\_album = count\_album+1";

cmd="WScript.Echo ""Album "" & count\_album & "": "||trim(AA)||" - "||trim(Album)||"""";

put cmd;

end;

/\* TRACK NO. \*/

cmd="Arq\_exist = FSO.FileExists("""||trim(location)||""")";

put cmd;

cmd="Diret\_exist = FSO.FolderExists("""||trim(cover\_folder)||""")";

put cmd;

put "If Arq\_exist And Diret\_exist Then";

put " count\_trk=count\_trk+1";

cmd="WScript.Echo ""Adding track "" & count\_trk & "": "||trim(art)||" - "||trim(title)||"""";

put " " cmd;

cmd="playlist.AddFile("""||trim(location)||""")";

put " " cmd;

cmd="Set track = playlist.Tracks.Item(count\_trk)";

put " " cmd;

put " Set Artobj = track.Artwork";

cmd=" Set Diret = FSO.GetFolder("""||trim(cover\_folder)||""").Files";

put " " cmd;

cmd="If Diret.Count=1 Then";

put " " cmd;

if Best\_cover

then do;

put " If Artobj.Count>0 Then";

put " count\_std=count\_std+1";

cmd="Artobj.Item(1).SaveArtworkToFile("""||trim(To\_Copy)||""")";

put " " cmd;

put " End If";

end;

else do;/\* Importing cover \*/

cmd=" If FSO.FileExists("""||trim(To\_Copy)||""") Then";

put " " cmd;

put " Set Art = Artobj.Item(1)";

put " If Artobj.Count>0 Then Art.Delete";

put " Wscript.Echo ""Importing cover""";

put " count\_updt=count\_updt+1";

cmd="Track.AddArtworkFromFile("""||trim(To\_Copy)||""")";

put " " cmd;

put " Else";

put " Wscript.Echo ""Art file not found""";

put " End If";

end;

put " End If";

put "Else";

cmd="If (not Diret\_exist) and "||trim(First)||" Then";

put " " cmd;

put " count\_miss\_folder=count\_miss\_folder+1";

put " End If";

put " If not Arq\_exist Then";

put " count\_miss\_trk=count\_miss\_trk+1";

put " End If";

put "End If";

if last.Key

then do;

put "Wscript.Echo";

put "Wscript.Echo";

end;

put;

if Fim

then do;

put;

put "Wscript.Echo";

put "Wscript.Echo";

put "Wscript.Echo";

cmd="Wscript.Echo ""Finished: "" & count\_std & "" std covers downloaded, "" & count\_updt & "" updated covers"" ";

put cmd;

cmd="Wscript.Echo ""Missing: "" & count\_miss\_trk & "" files, "" & count\_miss\_folder & "" folders""";

put cmd;

if **0**

then do;

put "Wscript.StdOut.Write vbNewLine & ""Press ENTER to continue"" ";

put "Do While Not WScript.StdIn.AtEndOfLine ";

put " Input = WScript.StdIn.Read(1) ";

put "Loop ";

end;

end;

/\* FIM \*/

run;

**%mend**;

/\* THIS WILL COPY THE ART FROM ONE MP3 TO ANOTHER MP3 \*/

/\* <>/\:|"?\* \*/

/\*put "AA\_Alb = track.AlbumArtist & "" - "" & track.Album";\*/

**%macro** copies\_cover(playlist\_name,dataset,encode=UTF8);

data \_null\_;

file "/home/jrsousa2/AVBScripts/&playlist\_name..vbs" encoding=&encode;

set &dataset end=fim;

length cmd $700. image\_name image\_name\_jpg image\_name\_png $150.;

/\* Variables \*/

if \_n\_=**1**

then do;

put "Dim iTunesApp";

put "Dim playlist";

put "Dim track";

put "Dim ExtArray(4)";

put;

/\*Connect to iTunes app\*/

put "Set iTunesApp = CreateObject(""iTunes.Application.1"")";

put "Set FSO = CreateObject(""Scripting.FileSystemObject"")";

put;

put "ExtArray(0) = ""unk""";

put "ExtArray(1) = ""jpg""";

put "ExtArray(2) = ""png""";

put "ExtArray(3) = ""bmp""";

put;

/\* abaixo nao esta sendo usada por enquanto \*/

/\*put "Spec(0) = ""<"" ";

put "Spec(1) = "">"" ";

put "Spec(2) = ""/"" ";

put "Spec(3) = ""\"" ";

put "Spec(4) = "":"" ";

put "Spec(5) = ""?"" ";

put "Spec(6) = ""\*"" ";

put "Spec(7) = ""|"" ";

put "Spec(8) = """""" ";\*/

put;

/\*'Create playlist\*/

put "Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"")";

put "If playlist is Nothing Then";

put " iTunesApp.CreatePlaylist(""&playlist\_name"")";

put " Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"")";

put "Else";

/\*'DELETE\*/

put " playlist.delete";

/\*'recreate playlist\*/

put " iTunesApp.CreatePlaylist(""&playlist\_name"")";

put " Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"")";

put "End If";

put;

/\*put "Imp\_Art=Imp\_Art+1";\*/

/\* INICIALIZACAO \*/

put "Imp\_Art = 0";

put "Miss = 0";

put "Track\_no = 0";

put "Exp\_Art\_Tot = 0";

put "Exp\_Art\_Fail = 0";

put "Imp\_Art\_Tot = 0";

put "Imp\_Art\_Fail = 0";

put "Imp\_File\_Has\_Art = 0";

/\* Path onde o arquivo sera salvo para depois ser copiado \*/

put "Path = ""D:\Z-Covers\Copy\_Art\_Vb\""";

/\* HERE WE DON'T WANT MISTAKES \*/

/\*put "On error resume next";\*/

put;

put;

put;

/\* SAS IF END \*/

end;

/\* TRACK NO. \*/

if Miss\_cover

then do;

Flag="Import";

Export="False ";

end;

else do;

Flag="Export";

Export="True";

end;

cmd="WScript.Echo ""Track "||compress(\_n\_)||" ("||trim(Flag)||"): "||trim(location)||"""";

put cmd;

cmd="If FSO.FileExists("""||trim(location)||""") Then ";

put cmd;

if Flag="Export"

then put "Exp\_Art\_Tot = Exp\_Art\_Tot+1";

else put "Imp\_Art\_Tot = Imp\_Art\_Tot+1";

cmd="AA\_Alb = """||trim(Image)||""" ";

put cmd;

put "Art\_File = Path & AA\_Alb";

put "Track\_no = Track\_no+1";

put "WScript.Echo ""Adding track "" & track\_no ";

cmd="playlist.AddFile("""||trim(location)||""")";

put cmd;

put "Set track = playlist.Tracks.Item(Track\_no)";

put "Set Artobj = track.Artwork";

cmd="If Artobj.Count>0 and "||trim(Export)||" Then";

put cmd;

put " Wscript.Echo ""Exporting cover""";

put " Formato = Artobj.Item(1).Format";

put " Wscript.Echo ""Format is "" & ExtArray(Formato)";

put " If FSO.FileExists(Art\_File) Then";

put " Wscript.Echo ""Cover already exported""";

put " Else";

cmd="Artobj.Item(1).SaveArtworkToFile(Art\_File)";

put " " cmd;

put " End If";

put "Else";

cmd=" If "||trim(Export)||" Then";

put " " cmd;

put " Exp\_Art\_Fail=Exp\_Art\_Fail+1";

put " End If";

cmd=" If Not "||trim(Export)||" Then";

put " " cmd;

put " Wscript.Echo ""Importing cover""";

put " If FSO.FileExists(Art\_File) And Artobj.Count=0 Then";

put " Track.AddArtworkFromFile(Art\_File)";

put " Imp\_Art=Imp\_Art+1";

put " Else";

put " If Not FSO.FileExists(Art\_File) Then";

put " Imp\_Art\_Fail = Imp\_Art\_Fail+1";

put " Wscript.Echo ""Art file not found""";

put " Else";

put " Wscript.Echo ""Import file has cover""";

put " Imp\_File\_Has\_Art = Imp\_File\_Has\_Art+1";

put " End If";

/\* END DO TESTE SE EXISTE ART FILE \*/

put " End If";

put " End If";

/\* END DO IF ARTOBJ.Count>0\*/

put "End If";

put "Else";

put " Miss = Miss+1";

cmd=" Wscript.Echo """||trim(Flag)||" file not found!""";

put " " cmd;

put "End If";

put "Wscript.Echo";

put;

put;

if Fim

then do;

put;

put "Wscript.Echo";

put "Wscript.Echo";

put "Wscript.Echo ""Finished:"" ";

put "Wscript.Echo ""Exported: "" & Exp\_Art\_Tot-Exp\_Art\_Fail & "", Failed: "" & Exp\_Art\_Fail & "", Total: "" & Exp\_Art\_Tot";

put "Wscript.Echo ""Imported: "" & Imp\_Art & "", Failed: "" & Imp\_Art\_Fail & "", Has cover: "" & Imp\_File\_Has\_Art & "", Total: "" & Imp\_Art\_Tot";

put "Wscript.Echo ""Missing files: "" & miss ";

if **0**

then do;

put "Wscript.StdOut.Write vbNewLine & ""Press ENTER to continue"" ";

put "Do While Not WScript.StdIn.AtEndOfLine ";

put " Input = WScript.StdIn.Read(1) ";

put "Loop ";

end;

end;

/\* FIM \*/

run;

**%mend**;

/\* FINDS NON-ANSI FILE NAMES \*/

**%macro** Non\_ansi(playlist,tabela,encode=Utf8);

/\* SET MODIFY ON OR OFF FOR ALL \*/

data \_null\_;

file "/home/jrsousa2/AVBScripts/&playlist..vbs " encoding=&encode;

set &tabela end=fim;

/\* INITIALIZATION \*/

if \_n\_=**1** then do;

put "Dim iTunesApp ";

put "Dim playlist ";

put "Dim FullPath ";

put "Dim tracks ";

put "Dim track ";

put;

/\*Connect to iTunes app\*/

put "Set iTunesApp = CreateObject(""iTunes.Application.1"") ";

put "Set FSO = CreateObject(""Scripting.FileSystemObject"") ";

/\* put "Set oTracks = iTunesApp.LibraryPlaylist ";\*/

put;

/\*'Create playlist\*/

put "Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"") ";

put "If playlist is Nothing Then ";

put " iTunesApp.CreatePlaylist(""&playlist\_name"") ";

put " Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"") ";

put "Else ";

/\*'DELETE\*/

put " playlist.delete ";

/\*'recreate playlist\*/

put " iTunesApp.CreatePlaylist(""&playlist\_name"") ";

put " Set playlist = iTunesApp.LibrarySource.Playlists.ItemByName(""&playlist\_name"") ";

put "End If ";

put;

put;

put "On error resume next ";

/\* THE BELOW IS TO COUNT HOW MANY TAGS OF EACH KIND CHANGED \*/

put;

/\* BELOW IS THE INITIALIZATION OF THE TRACK (WILL BE INCREMENTED IF NO ERROR ADDING TRACK) \*/

put "Obs = 0 ";

put "Miss = 0 ";

put;

/\* SAS IF END \*/

end;

length cmd aux $250.;

/\* THE BELOW BLOCK WILL ONLY BE EXECUTE IF TRACK ASSIGN DOESN'T FAIL \*/

put;

/\* DISPLAYS MESSAGE ON THE SCREEN \*/

/\*cmd="Obs = "||compress(\_n\_)||" ";\*/

/\*put cmd;\*/

cmd="If not FSO.FileExists("""||trim(location)||""") Then";

put cmd;

cmd="WScript.Echo ""Track "" & Obs & "" - "" & """||trim(location)||""" ";

put " " cmd;

put " miss = miss + 1";

/\*put " Wscript.Echo ""File not found!""";\*/

/\* END OF THE TEST FOR ERROR ADDING TRACK \*/

put "End If ";

/\* LINE BREAK \*/

/\*put "WScript.Echo ";\*/

if fim=**1**

then do;

put;

put;

cmd="Wscript.Echo ""Finished!"" ";

put cmd;

cmd="Wscript.Echo ""Missing files: "" & miss & "" of "" & Obs & "" files"" ";

put cmd;

put ;

if **0**

then do;

put "Wscript.StdOut.Write vbNewLine & ""Press ENTER to continue"" ";

put "Do While Not WScript.StdIn.AtEndOfLine ";

put " Input = WScript.StdIn.Read(1) ";

put "Loop ";

end;

end;

/\* FIM \*/

run;

**%mend**;