

Text file duplicate line remover -

[scapegoat](#)

This code demonstrates the use of line input to read whole lines individually from a text file.

```
nomainwin
WindowWidth = 550
WindowHeight = 410
UpperLeftX=int((DisplayWidth-WindowWidth)/2)
UpperLeftY=int((DisplayHeight-WindowHeight)/2)

BackgroundColor$ = "buttonface"
ForegroundColor$ = "black"

statictext #Main.SourcefileLabel, "File to open:", 5, 15, 73, 20
statictext #Main.DestfileLabel, "Output file:", 5, 60, 89, 20
textbox #Main.SourcefilePath, 105, 12, 315, 25
textbox #Main.DestfilePath, 105, 57, 315, 25
button #Main.InFinder, "Browse", [BrowseInPath], UL, 440, 12, 80, 25
button #Main.OutFinder, "Browse", [BrowseOutPath], UL, 440, 58, 80, 25
statictext #Main.TexteditorLabel, "File preview:", 5, 122, 75, 20
texteditor #Main.textedit5, 105, 122, 415, 170
button #Main.Pv, "Preview file", [Preview], UL, 105, 317, 195, 25
button #Main.Go, "Remove duplicates", [Clean], UL, 330, 317, 190, 25

open "Duplicate Line Remover" for window as #Main
print #Main, "font ms_sans_serif 0 16"
print #Main, "trapclose [quit]"

outpath$ = ""
OriginalFilePath$ = ""
print #Main.DestfilePath, outpath$
print #Main.SourcefilePath, OriginalFilePath$

[null]
wait

[BrowseInPath]
filedialog "Open text file", "*.txt", OriginalFilePath$
print #Main.SourcefilePath, OriginalFilePath$
wait

[BrowseOutPath]
filedialog "Open text file", "*.txt", outpath$
```

```
print #Main.DestfilePath, outpath$
wait
```

```
[Preview]
```

```
print #Main.SourcefilePath, "!contents? OriginalFilePath$";
if OriginalFilePath$ = "" then goto [null]
open OriginalFilePath$ for input as #rm
while eof(#rm)=0
line input #rm, txt$
print #Main.textedit5, txt$
wend
close #rm
wait
```

```
[Clean]
```

```
originalentries=0
quantityofduplicates=0
print #Main.DestfilePath, "!contents? outpath$";
print #Main.SourcefilePath, "!contents? OriginalFilePath$";
if (outpath$ = "" or OriginalFilePath$ = "") then goto [null]
OPEN outpath$ for output as #writefile
close #writefile
print #Main.textedit5, "Created output file:"
print #Main.textedit5, outpath$
open OriginalFilePath$ for input as #rm
while eof(#rm)=0
line input #rm, txt$
originalentries=originalentries+1
duplicate=0
OPEN outpath$ for input as #writefile
while eof(#writefile)=0
line input #writefile, compare$
if txt$=compare$ then duplicate=1 : quantityofduplicates=quantityofdup
licates+1
wend
close #writefile
OPEN outpath$ for append as #writefile
write$ = txt$
if duplicate=0 then print #writefile, write$
if duplicate=0 then print #Main.textedit5, write$
close #writefile
wend
close #rm
print #Main.textedit5, " "
print #Main.textedit5, "Done. The original list contained "_
+str$(quantityofduplicates)+" duplicate lines,"
```

```
print #Main.textedit5, "out of "+str$(originalentries)+" originals. "_
+str$(originalentries-quantityofduplicates)_
+" lines were unique."
print #Main.textedit5, "The cleaned file has been saved at:"
print #Main.textedit5, outpath$
wait

[quit]
close #Main
end
```