import os,shutil

def listToString(s):

str1 = ""

for ele in s:

str1 += ele

return str1

dict\_extensions={

'audio\_extensions':('.mp3','.m4a','.wav','.flac'),

'video\_extensions':('.mp4','.mkv','.MKV','.flv','.mpeg'),

'document\_extension':('.doc','.pdf','.txt'),

'image\_extension':('.png','.jpg'),

}

folderpath=input('enter folder path:')

def file\_finder(folder\_path,file\_extensions,extension\_type,r):

files=[]

q=os.walk(folderpath)

for current\_path,folder\_names,file\_names in q:

for w in file\_names:

y=listToString(w)

for extension in file\_extensions:

if y.endswith(extension):

folder\_name=extension\_type.split('\_')[0]+'Files'

folder\_path=os.path.join(folderpath,folder\_name)

if os.path.exists(folder\_path):

e=1

else:

os.mkdir(folder\_path)

p=current\_path

item\_path=os.path.join(p,y)

item\_new\_path=os.path.join(folder\_path,y)

shutil.move(item\_path,item\_new\_path)

return 0

for extension\_type,extension\_tuple in dict\_extensions.items():

file\_finder(folderpath,extension\_tuple,extension\_type,0)

q=os.walk(folderpath)

for current\_path,folder\_names,file\_names in q:

d=os.listdir(current\_path)

if len(d)==0:

u=listToString(folder\_names)

os.rmdir(current\_path)