import os

#orig\_name = input("original file name: ")

#chan\_name = input("change name to : ")

while True:

print(" This is a file handling application")

print("specialized at making an easy approach to your directory\\file")

print("instructions to follow: 'l' to show list\n 'x' to create a new file,\n 'r' to read a file,\n 'w' to write to a file,\n 'd' to delete a file, \n 'a' to append to a file, \n and 'q' to quit")

print("/////////////////////////////")

value = input("input your alpha: ")

if value == "x":

file\_name = input("file name: ")

print("------------------------")

if not os.path.splitext(file\_name)[1]:

print("Error: file must have an extention(e.g.,'.txt','.doc','.csv','.ods',)")

print("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")

continue

try:

f = open(file\_name, "x")

print(f"file {file\_name} has been created ")

print("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")

except FileExistsError:

print(f"Error: File '{file\_name}' already exists.")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

f.close()

elif value == "w":

file\_name = input("file name: ")

if not os.path.exists(file\_name):

print(f"Error: The file '{file\_name}' does not exist. ")

print("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")

elif os.path.exists(file\_name):

f= open(file\_name,"w")

f.write(input("put in your info: ") + "\n")

print("writing successful ")

f.close()

else:

print(f"Error: Permission denied to write file {file\_name}.")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

elif value == "r" :

file\_name = input("file name: ")

try:

f = open(file\_name, "r" )

print(f"You are reading file {file\_name} right now ")

print(f.read())

print("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")

except FileNotFoundError:

print(f"Error: File {file\_name} not found.")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

except PermissionError:

print(f"Error: Permission denied to read file {file\_name}.")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

f.close()

elif value == "a" :

file\_name = input("file name: ")

if not os.path.exists(file\_name):

print(f"Error: The file '{file\_name}' does not exist. ")

print("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")

elif os.path.exists(file\_name):

f= open(file\_name,"a")

f.write(input("put in your info: ") + "\n")

print("appending successful ")

f.close()

else:

print(f"Error: Permission denied to append file {file\_name}.")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

elif value == "d" :

file\_name = input("file name: ")

if not os.path.exists(file\_name):

print(f"Error: The file '{file\_name}' does not exist. ")

print("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")

elif os.path.exists(file\_name):

os.remove(file\_name)

print(f"file {file\_name} has been deleted")

print("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")

else:

print(f"Error: Permission denied to delete file {file\_name}.")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

elif value == "l" :

directory = input("Enter directory to list (or press Enter to list current directory): ")

if not directory:

directory = os.getcwd() # Get the current working directory

try:

files = os.listdir(directory)

print("Files in directory:", directory)

for file in files:

print(file)

print("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")

except FileNotFoundError:

print(f"Error: Directory '{directory}' not found.")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

except PermissionError:

print(f"Error: You don't have permission to access '{directory}'.")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

elif value == "q" :

print("thank you for using this program")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

break

else :

print("nah wah oooo")

print ("you no see instructions")

print ("mad oooo")

print(". /|")

print(" / | ")

print(" / |")

print(" / |")

print("/\_\_|")