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import argparse

import os

import subprocess

import threading

import time


parser = argparse.ArgumentParser(description = "Command rules Checker Q1")


parser.add_argument("input_dir", type=str, help= "Enter input directory path")

parser.add_argument("output_dir", type=str, help= "Enter output directory path")

parser.add_argument("file_type", type=str, help= "Enter the extension of file you want
specifically")


args = parser.parse_args()


threadArray = []

file_name = []

file_path = os.listdir(args.input_dir)

for file in file_path:

if os.path.isfile( os.path.join(args.input_directory, file )):

file_name.append(file)


def FM(args.input_dir, args.output_dir, ImgFile, args.file_type, newDir):


result = subprocess.run(["sudo","foremost","-i", f"{args.input_dir}/{ImgFile}", "-o",
f"{args.output_dir}/{newDir}", "-T", f"{file_type}"], stdout=subprocess.PIPE,
stderr=subprocess.PIPE)


for i in range(1,len(file_name)+1):


thread=threading.Thread(target=FM, args=(args.input_dir, args.output_dir, file,
args.file_type, f"recovery{i}"))

threadaArray.append(thread)


for thread in threadArray:
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thread.start()

thread.join()

print("Thread finished, main thread ends.")
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