1. How do you distinguish between shutil.copy() and shutil.copytree()?

shutil.copy() is used to copy a single file, while shutil.copytree() is used to copy an entire directory along with its content.

2. What function is used to rename files??

os.rename()

3. What is the difference between the delete functions in the send2trash and shutil modules?

send2trash module moves files and folders to a temporary storage (recycle bin), while the shutil module permanently deletes them without any chance of recovery.

4.ZipFile objects have a close() method just like File objects’ close() method. What ZipFile method is equivalent to File objects’ open() method?

ZipFile.open() : It enable us to accessing the contents of a file within a ZIP archive.

5. Create a programme that searches a folder tree for files with a certain file extension (such as .pdf or .jpg). Copy these files from whatever location they are in to a new folder.

import os, shutil

def searchAndcopy(source,ext, target):

    for foldername, subfolders, filenames in os.walk(source):

        for filename in filenames:

            if filename.endswith(ext):

                print(foldername + '\\' + filename)

                copySourcePath = foldername + '\\' + filename

                print(copySourcePath)

                shutil.copy(copySourcePath,target)

            else:

                continue

source = input("source folder: ")

ext = input("Enter extension :").lower()

target = input("destination folder: ")

searchAndcopy(source,ext, target)