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

🡪 The shutil.copy() function will copy a single file, while shutil.copytree() will copy an entire folder and all its contents.

2. What function is used to rename files??

🡪 The shutil.move() function is used for renaming files as well as to move them.

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

🡪 The delete function in send2trash module will move a file or folder to the recycle bin, while the delete function in shutil module permanently deletes the files or folders.

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

🡪The zipfile.ZipFile() function is equivalent to the open() function of file object; the first argument is the filename, and the second argument is the mode to open the ZIP file in (read, write, or append).

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.

🡪 Above can be done as follows-

import os

import shutil

def copy\_from\_one\_to\_other(folder, extensions, destFolder):

folder = os.path.abspath(folder)

destFolder = os.path.abspath(destFolder)

print('Looking in', folder, 'for files with extensions of', ', '.join(extensions))

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

for filename in filenames:

name, extension = os.path.splitext(filename)

if extension in extensions:

fileAbsPath = foldername + os.path.sep + filename

print('Copying', fileAbsPath, 'to', destFolder)

shutil.copy(fileAbsPath, destFolder)

extensions = ['.jpg', '.pdf']

folder = 'E:\old pc\sankalp\my data\photo'

destFolder = os.getcwd()

copy\_from\_one\_to\_other(folder, extensions, destFolder)