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

Answer=

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

2. What function is used to rename files??

Answer=

The shutil.move() function is used for renaming files, as well as moving them

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

Answer=

The send2trash functions will move a file or folder to the recycle bin, while shutil functions will permanently delete files and folders.

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

Answer=

The zipfile.ZipFile() function is equivalent to the open() function; 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.

Answer=

import os

import shutil

def search\_and\_copy(src\_folder, dest\_folder, file\_extension):

for root, dirs, files in os.walk(src\_folder):

for file in files:

if file.endswith(file\_extension):

src\_path = os.path.join(root, file)

dest\_path = os.path.join(dest\_folder, file)

shutil.copy(src\_path, dest\_path)

search\_and\_copy("/path/to/src/folder", "/path/to/dest/folder", ".pdf")