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

Answer:

-> The shutil.copy() function will copy a single file

-> The shutil.copytree() will copy an entire folder, along with all its contents

2. What function is used to rename files??

Answer:

-> rename() file is a method used to rename a file or a directory in Python programming

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

Answer:

-> Using send2trash, we can send files to the Trash or Recycle Bin instead of permanently deleting them.

-> 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, shutil

sourcePath = input(‘Enter the absolute path of the source folder: ‘)

fileExtType = input(‘Enter the type of file to copy (such as .pdf or .jpg): ‘).lower()

destPath = input(‘Enter the absolute path of the destination folder: ‘)

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

for filename in filenames:

if filename.lower().endswith(fileExtType):

#print(foldername + ‘\\’ + filename)

copySourcePath = os.path.join(foldername, filename)

#print(copySourcePath)

shutil.copy(copySourcePath, destPath)

else:

continue