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

Ans.

shutil.copy() : function will copy a single file

shutil.copytree() : function will copy an entire folder, along with all its contents

1. What function is used to rename files?

Ans.

Shutil.move() function is used to rename a file

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

Ans.

send2trash function moves a file or folder to the recycle bin

shutil function permanently delete file and folders

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

Ans.

zipfile.ZipFile() function is equivalent to Files objects open() method  
In above function we can pass two arguments. First argument is the filename, and the second argument is the mode to open the ZIP file in (read, write, or append).

1. 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.

Ans.

import os, shutil

sourcePath = 'D:\source'

fileExtType = '.ipynb'

destPath = 'D:\destination'

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