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

Ans: shutil.copy() – copy a file to destination folder

shutil.copytree() – copy an entire directory files to specified destination path.

2. What function is used to rename files??

Ans: os.rename() or with shutil is shutil.move() to rename files.

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

Ans: send2trash module deletes the file temporarily and send it to recycle bin, whereas shutil module permanently deletes the file.

4.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(filename,mode).

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.

Ans:

import os, shutil

def selectiveCopy(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,topdown=True):

for filename in filenames:

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

if extension in extensions:

fileAbsPath = foldername + os.path.sep + filename

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

shutil.copy(fileAbsPath, destFolder)

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

folder = 'New1'

destFolder = 'Dug'

selectiveCopy(folder, extensions, destFolder)