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

Ans: 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?  
Ans: The shuttle.move() function is used to rename and move a file.

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

Ans: send2trash module will move the file/folder to recycle bin folder. shutil module will permanently delete the file/folder.

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() method is equivalent to open() method.

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 copyFile(source, destination, fileformat):

for folderName, subfolders, filenames in os.walk(source):

for filename in filenames:

if filename.endswith(fileformat):

shutil.copy(os.path.join(source, filename), os.path.join(destination, filename))