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

**Solution:** 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??

**Solution:** 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?

**Solution:** 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?

**Solution:** 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.

**Solution:**

import os, shutil

def moveFileType(folder):

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

for filename in filenames:

if filename.endswith('.jpg'):

shutil.copy(os.path.join(folderName, filename), '<destination>')

moveFileType('<source>')