

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

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??

os.rename() is used to rename files and directories. In addition, shutil.move() can also be used to move the file to a new location and rename the file at the destination location.

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

“shutil” module based deletion operations permanently delete the files. send2trash module based operations move the files to recycle bins.

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

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.

```
import os, shutil
```

```
#Old Location is C:\\OldLocation, files in the complete tree searched using os.walk()
for folderName, subfolders, filenames in os.walk('C:\\OldLocation'):
```

```
    for filename in filenames:
```

```
        if '.txt' in filename or '.jpg' in filename:
```

```
            #Copying all files to a new location
```

```
            shutil.copy(filename,"C:\\NewLocation")
```