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

Shutil.copy() will copy content from source file destination file. And shutil.copytree() will copy entire directory structure.

2. What function is used to rename files?

Os.rename(oldname,newname)

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

As name suggest send2trash delete function will move file or directory to trash while shutil delete function will delete file or folder permanently.

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

You can use read() method to read files from zip.

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  
import shutil  
  
src = '/home/rajendra/Downloads'  
des = '/home/rajendra/Downloads/data1'  
for dirName, subdirList, fileList in os.walk(src):  
 print('Directory name :' + dirName)  
 for f in fileList:  
 print('File : '+f)  
 if f.endswith('.jpg') or f.endswith('.pdf'):  
 print('-------> JPG or PDF File Name :%s' % f)  
 shutil.copy(src+'/'+f, des)