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

Ans1. shutil.copy() function will copy only a single file whereas shutil.coytree() will copy the whole folder along with all the files in it.

2. What function is used to rename files??

Ans2. os.rename() function will be used to rename the file.

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

Ans3. The shutil will delete delete the files or folders permanently whereas send2trash will move the files or folders to the recycle bin.

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

Anss4. zipfile.ZipFile() function is equivalent to open() method. The first argument it takes is a file name whereas the second argument should be the mode(either read, right 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.

Ans5.

import shutil

for i in os.listdir():

if i == 'tree':

if os.getcwd()!='G:\\python module\\Workingwithfiles\\tree':

os.chdir(os.getcwd()+'\\'+i)

for j in os.listdir():

if j.endswith(".jpg") or j.endswith(".pdf"):

if 'newtree' not in os.listdir(src):

os.mkdir(src+'\\'+'newtree')

shutil.copy(os.getcwd()+'\\'+j,src+'\\'+'newtree')