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

**Answer : shutil.copy() function will copy a single file while shutil.copytree() function will copy the entire folder with its contents.**

2. What function is used to rename files??

**Answer** : **rename() function is used to change the name of the file or directory**

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

**Answer : Using *send2trash*, we can send files to the Trash or Recycle Bin instead of permanently deleting them whereas to delete a folder and all of its contents, you use the shutil module.**

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

**Answer : To create your own compressed ZIP files, you must open the ZipFile object in write mode by passing 'w' as the second argument. (This is similar to opening a text file in write mode by passing 'w' to the open() function.) This code will create a new ZIP file named new. zip that has the compressed contents of spam.**

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 selectAndCopy(folder,extensions,destFolder):

folder = os.path.abspath(folder)

destFolder = os.path.abspath(destFolder)

print(‘Looking in ‘,folder, ’for file extension’.join(extension)

for foldername , subFolder,filenamesin os.walk(folder)

name, extension in extensions:

fileAbsPath = foldername + os.path.sep + filename

print(‘Coping’,fileAbsPath ,’to’,destFolder)

shutil.copy(fileAbsPath ,destFolder)

extensions = [‘.txt’,’.pdf’,’.py’]

folder= ‘randomFolder’

destFolder = ‘NewFolder’

selectAndCopy(folder,extensions ,destFolder )