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

**Ans** : shutil.copy() is used for copying a single file whereas shutil.copytree() is used for copying an entire folder & its contents.

2. What function is used to rename files??

**Ans** : os.rename() function is used to rename files.

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

**Ans** : send2trash sends file to recycle bin whereas delete functions of shutil module deletes files permanently.

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

**Ans** : zipfile.Zipfile() methos is equivalent to open() method since in both methods we need to pass two arguments, first is file name & second is the mode of operation of that file.

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.

**Ans** : following is a program for searching .jpg files and copying to a new folder.

import os

import shutil

os.getcwd()

os.chdir("C:\Practise")

os.getcwd()

for folder,subfolder,files in os.walk("C:\\Practise"):

for file in files:

if file.endswith(".jpg"):

sourcepath= os.path.join(folder,file)

shutil.copy(sourcepath,r"C:\\New folder")

x=os.listdir(r"C:\\New folder")

print(x)