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

Answer: shutil.copytree() copies the whole directory and all folders, files inside it to the new destination address you provide. Destination address should not exist earlier. It has the option to copy metadata properties of the source file/directory.

shutil.copy() copies only files from one path to another path or file. It doesn’t copy metadata properties.

2. What function is used to rename files?

Answer: os.rename() function is used to rename files. It comes in os module.

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

Answer: send2trash is a package you need to install and it sends the files/directories you want to delete into trash/recyclebin folder. So that in case you delete anything accidentally then you can revert.

Import send2trash as s2t

S2t.send2trash(/path/file)

If you want to delete any directories (not files), using shutil module it can be done and then it will permanently delete them and you will not able to restore. shutil.rmtree(path).

If you want to delete files you can use os.remove(path).

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

Answer: ZipFile.open(name, mode=’r’, pwd=None)

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

path='C:/Users/alok.dash/Documents' #can take user input here

dest='C:/Users/alok.dash/Downloads' #can take user input here

ext=('.pdf' , '.jpg')

try:

for root, dir, files in os.walk(path):

for file in files:

if file.endswith(ext):

src=root + os.path.sep + file

shutil.copy(src, dest)

except:

print("File paths are not accessable")