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

**shutil.copy()** function will copy a single file, while **shutil.copytree()** will copy entire folder along with all its contents.

**2. What function is used to rename files??**

Rename() method is used to rename a file or folder.

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

Send2trash will move a files or folders to the recycle bin, while shutil functions will permanently delete files or folders.

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

The zipfile.ZipFile() function is equivalent to file object’s open() method

**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

def search\_n\_copy(srcdir, dstdir, extension):

for root, dirs, files in os.walk(srcdir):

for file in files:

if file.endswith(extension):

shutil.copy(os.path.join(root, file), dstdir)

srcdir = '/path/to/src/dir'

dstdir = '/path/to/dst/dir'

extension = '.pdf'

search\_n\_copy(srcdir, dstdir, extension)