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

Ans:

The shutil.copy() is used to copy a single file from one location to another.

The shutil.copytree() is used to copy an entire directory tree from one location to another.

1. What function is used to rename files??

Ans:

The os.rename() method is used to rename files in Python.

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

Ans:

The send2trash moves a file or a folder to the recycle bin and the shutil modules os.remove() is permanently deletes the file or folder without moving into the trash.

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

Ans:

The ZipFile() method is equivalent to File objects open() method.The ZipFile() is part of the zipfile module

1. 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:

import os

import shutil

folder\_path = “/path/to/folder/”

file\_extension = “.pdf”

destination\_folder = “/path/to/destination/folder/”

for foldername, subfolders, filenames in os.walk(folder\_path):

for filename in filenames:

if filename.endswith(file\_extension):

file\_path = os.path.join(foldername, filename)

shutil.copy(file\_path, destination\_folder)