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

Ans: shutil.copy() – It will copy a single file

shutil.copytree() – It will copy an entire folder and every folder from source to destination.

2. What function is used to rename files??

Ans: By using os.rename(oldname, newname) method we can rename a file.

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

Ans: The main difference between send2trash and shutil modules is, send2trash functions will move a file or folder to the recycle bin, whereas shutil functions will permanently delete the files and folder.

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() – function is equivalent to open() function, same as open we will pass first argument as filename, and second argument as mode to open the ZIP 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:

Graphical user interface, text, application

Description automatically generated

import os

import shutil

mypath = input("Enter your directory: ")

file\_ext = input("Enter the file extension: ")

destination\_folder\_name = r'Copy\_folder'

if os.path.isdir(mypath):

f = os.listdir(mypath)

os.chdir(mypath)

else:

print("Invalid Directory")

if not os.path.exists(destination\_folder\_name):

os.mkdir(destination\_folder\_name)

for i in f:

if i.endswith(file\_ext):

shutil.copy(i, destination\_folder\_name)