Assignment\_10

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

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

2) What function is used to rename files??

Ans→ The shutil.move() function is used for renaming files, as well as moving them.

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

Ans→ The delete function in the send2trash functions will move a file or folder to the recycle bin, while shutil functions will permanently delete files and folders.

4) 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.ZipFile() function is equivalent to the open() function; the first argument is the filename, and the second argument is the mode to open the ZIP file in (read, write, or append).

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→

import os

import shutil

def search\_and\_copy(source,destination,extensions):

source = os.path.abspath(source)

destination = os.path.abspath(destination)

for foldername, subfolder, filenames in os.walk(source): #walking from top,buttom

for filename in filenames:

fileName,extension = os.path.splitext(filename)

if extension in extensions:

targetFile = foldername+os.path.sep+fileName+extension

shutil.copy(targetFile, destination)

print(f'Files copied successfully from {source} to {destination}')

extensions = ['.pdf','.docx',’.txt’,’.jpg’]

source = 'Dummy Source'

destination = 'Dummy Destination'

search\_and\_copy(source, destination, extensions)