Assignment - 10

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

Ans:

shutil.copy : Copies a single file  
shutil.copytree() : will copy an entire folder and every folder and file contained in it

2. What function is used to rename files??

Ans:

import os  
os.rename("text.txt","testnew.txt")

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

Ans: import shutil shutil.retree(): The shutil module’s rmtree() function can be used to delete files or folders. But, this function delete the files permanently. The operations cannot be undone if there were any accidental deletions performed

import shutil

import send2trash

shutil.rmtree("path")

send2trash.send2trash("path")

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

equivalent to File objects’ open() method?

Ans:

from zipfile import Zipfile with ZipFile(file\_name, 'r') as zip: -> this code will open specified zipfile for us. we can use zip object to preform other operation the ziplife. like zip.read()

from zipfile import Zipfile

with ZipFile(file\_name, 'r') as zip

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, shutil

def selectiveCopy(source, extensions, destination):

folder = os.path.abspath(source)

destination = os.path.abspath(destination)

print('Looking in', source, 'for files with extensions of', ', '.join(extensions))

for foldername, subfolders, filenames in os.walk(source):

for filename in filenames:

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

if extension in extensions:

fileAbsPath = foldername + os.path.sep + filename

print('Coping', fileAbsPath, 'to', destination)

shutil.copy(fileAbsPath, destination)

extensions = ['.mp4', '.pdf','.jpg']

source = "C:\Users\Shiva000\Desktop"

destination = "C:\Users\Shiva000\Desktop\abc"

selectiveCopy(source, extensions, destination)