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

**copy()** will **copy** a single file, **shutil**. **copytree()** will **copy** an entire folder and every folder and file contained in it. Calling **shutil**. **copytree**( source, destination ) will **copy** the folder at the path source , along with all **of** its files and subfolders, to the folder at the path destination

1. What function is used to rename files??

os. **rename**() **method** in **Python** is **used to rename** a **file** or directory

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

Using *send2trash*, we can send files to the Trash or Recycle Bin instead of permanently deleting them. Shutil Deletes a folder *permanantly* and its entire contents

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

ZipFile.open()

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.

Code:

import os, shutil

def selectiveCopy(folder, extensions, destFolder):

folder = os.path.abspath(folder)

destFolder = os.path.abspath(destFolder)

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

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

for filename in filenames:

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

if extension in extensions:

fileAbsPath = foldername + os.path.sep + filename

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

shutil.copy(fileAbsPath, destFolder)

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

folder = r’source folder path’

destFolder = r’destination folder path’

selectiveCopy(folder, extensions, destFolder)