1)how do you distinguish between shutil.copy() and shutil.copy.tree()

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

3)what is the difference between the delete function in the send2trash and shutil modules ?

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

4)zipfiles 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 search 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 : The user can enter an absolute path for the start folder, or if the user does not enter a folder, the current directory is used. Likewise, the user can enter extensions to copy but if the user does not enter an extension, txt files are used. The user can specify a subfolder as destination, but if none is specified, a subfolder with your name is created.

This is what I have so far. It is only for the first part though.

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 = ['.php', '.py']

folder = 'randomFolder'

destFolder = 'selectiveFolder'

selectiveCopy(folder, extensions, destFolder)