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

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

1. What function is used to rename files??

***Ans****: os.rename() in a os module*

1. What is the difference between the delete functions 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.*

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

***Ans****: 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).*

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.

***Ans****: import os, shutil*

*Def selectivecopy(folder, extensions, destFolder):*

*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)*