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

Answer: shutil.copy() copies a single ﬁle, shutil.copytree() copies an entire folder, with all its contents

1. What function is used to rename files??

Answer: shutil.move() is used for renaming ﬁles, as well as moving them

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

 Answer: send2trash will move a ﬁle or folder to the recycle bin, shutil 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?

 Answer: zipfile.ZipFile() is equivalent to the open(); 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 into a new folder.

Answer:

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)