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

**Answer:** 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?

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

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

**Answer:** The send2trash functions will move a file or folder to the recycle bin, while shutil functions 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:** 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 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.

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

folder **=** 'randomFolder'

destFolder **=** 'selectiveFolder'

selectiveCopy(folder, extensions, destFolder)