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

Ans: shutil.copy copies a single file and shutil.copytree() copies the entire folder along with all its contents.

1. What function is used to rename files??

Ans: rename() function is used to rename files or directories.

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

Ans: send2trash() will move a file or a folder to recycle bin while shutil functions deletes permanently.

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.ZipFile() function is equivalent to open() function in file objects.

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.

Ans:

|  |  |
| --- | --- |
|  | Import os,shuttle |
|  | 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) |