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 = rename() method in Python is used to rename a file or directory. This method renames a source file/ directory to specified destination file/directory

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.

4.ZipFile 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).

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.
2. Ans = import os, shutil
3. def selectiveCopy(folder, extensions, destFolder):
4. folder = os.path.abspath(folder)
5. destFolder = os.path.abspath(destFolder)
6. print('Looking in', folder, 'for files with extensions of', ', '.join(extensions))
7. for foldername, subfolders, filenames in os.walk(folder):
8. for filename in filenames:
9. name, extension = os.path.splitext(filename)
10. if extension in extensions:
11. fileAbsPath = foldername + os.path.sep + filename
12. print('Coping', fileAbsPath, 'to', destFolder)
13. shutil.copy(fileAbsPath, destFolder)
14. extensions = ['.php', '.py']
15. folder = 'randomFolder'
16. destFolder = 'selectiveFolder'
17. selectiveCopy(folder, extensions, destFolder)