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.

2. What function is used to rename files??

Ans:- os.rename() method in Python is used to rename a file or directory.

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

Ans:-  While  deleting files, when we use the send2trash module to move files to the recycle bin or trash rather than permanently deleting them and os and shutil modules offer functions for copying, moving, renaming, and deleting files.

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

Ans:-  [FileMode.Open](https://docs.microsoft.com/en-us/dotnet/api/system.io.filemode?view=net-5.0" \l "System_IO_FileMode_Open)

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, 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) |