

## -----QUESTIONS-----

- 1- 1. How do you distinguish between `shutil.copy()` and `shutil.copytree()`?
2. What function is used to rename files??
3. What is the difference between the delete functions in the `send2trash` and `shutil` modules?
4. `ZipFile` objects have a `close()` method just like `File` objects' `close()` method. What `ZipFile` method is equivalent to `File` objects' `open()` method?
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.

## -----ANSWERS-----

- 1- While `shutil.copy()` will copy a single file, `shutil.copytree()` will copy an entire folder and every folder and file contained in it.
- 2- `os.rename()` method in Python is used to rename a file or directory.
- 3- The `send2trash` functions will move a file or folder to the recycle bin, while `shutil` functions will permanently delete files and folders.
- 4- `OpenRead(String)` Method.
- 5- `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)
```