

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

Ans:

`shutil.copy()`: Copies a single file from the source path to the destination path.

`shutil.copytree()`: Recursively copies an entire directory tree from the source directory to the destination directory.

2. What function is used to rename files??

Ans: `shutil.move()` function, which can be used to rename files or directories.

`shutil.move('old_name.txt', 'new_name.txt')`

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

Ans: The `send2trash` module provides a function called `send2trash()` that sends files or directories to the operating system's trash or recycle bin instead of permanently deleting them. `shutil` module's `shutil.rmtree()` permanently deletes the 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: `ZipFile()`

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: Please refer `Assignment_10.ipynb`