

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

`shutil.copy()`: copies single file

`shutil.copytree()`: copies entire folder and folders and file contained in it

2. What function is used to rename files??

`os.rename(source file path, destination file path)`

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

`Send2trash` : delete files, folders and send them to recycle bin

`Shutil` modules: will delete files, folders permanently

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

`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.

```
def copyfolder_files(folder):
```

```
    for roots, dirs, files in os.walk(folder):
```

```
        for file in files:
```

```
            if file.endswith(('.jpg', '.pdf')):
```

```
                image_path = os.path.join(root, file)
```

```
                print('location:', image_path)
```

```
                new_path = os.path.join(r'C:\Users\Lenovo', 'my_test_folder')
```

```
                print(new_path)
```

```
                os.makedirs(new_path, exist_ok=True)
```

```
                shutil.copy(image_path, new_path)
```