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

**ANS:-**

The shutil.copy() function will copy a single file, while shutil.copytree() will copy an entire folder, along with all its contents.

**2. What function is used to rename files??**

**ANS:-**

The shutil.move() function is used for renaming files, as well as moving them

**3. 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).

**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**

**sourcePath = input(‘Enter the absolute path of the source folder: ‘)**

**fileExtType = input(‘Enter the type of file to copy (such as .pdf or .jpg): ‘).lower()**

**destPath = input(‘Enter the absolute path of the destination folder: ‘)**

**for foldername, subfolders, filenames in os.walk(sourcePath):**

**for filename in filenames:**

**if filename.lower().endswith(fileExtType):**

[**#print**](https://www.realcode4you.com/blog/hashtags/print)**(foldername + ‘\\’ + filename)**

**copySourcePath = os.path.join(foldername, filename)**

[**#print**](https://www.realcode4you.com/blog/hashtags/print)**(copySourcePath)**

**shutil.copy(copySourcePath, destPath)**

**else:**

**continue**