**1. What is the difference between shutil.copy() and shutil.copytree()?**

Ans.

shutil.copy() -It will copy a single specific file

shutil.copytree() - It will copy the entire folder and what ever the contents are present inside that folder will also get copied

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

Ans.

os.rename('old file\_name','new\_file\_name')

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

Ans.

send2trash: As its name says, 2trash. Meaning it will send the file to the trash or recyle bin. It will not delete the file permanently

shutil: It will delete the directory permanently.

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

'w' --> Write mode method of zipfile is equivalent to open file method

**5. Write a program that walks through a folder tree and searches 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.**

In [90]:

source**=**'D:\\Documents'

destination**=**'D:\\New Folder'

**for** path,folder,filename **in** os**.**walk(source):

print('Following are the files in the source directory which will be copied')

print(filename)

print()

print('Following are the files in the given destination folder before copying:\n')

print(os**.**listdir('D:\\New Folder'))

print('Number of files are:',len(os**.**listdir('D:\\New Folder')))

print()

**try**:

**for** file **in** filename:

**if** (file**.**endswith('.pdf')) **or** (file**.**endswith('.jpg')):

shutil**.**copy(f'D:/Documents/{file}', 'D:/New Folder')

print('Copied')

**except** Exception **as** e:

print(e)

**else**:

print('Files are copied and program is successfull')

**finally**:

print('Following are the files in the given destination folder After copying:\n')

print(os**.**listdir('D:\\New Folder'))

print('Number of files are:',len(os**.**listdir('D:\\New Folder')))