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

**Ans:**

The [shutil](https://docs.python.org/3/library/shutil.html" \l "module-shutil" \o "shutil: High-level file operations, including copying.) module offers a number of high-level operations on files and collections of files. In particular, functions are provided which support file copying and removal.

Shutil is a module in python .copy() and copytree() are the functions available inside it

Copy function will just copy a file

Where as copytree function will copy the entire folder and subfolder and all the files within them from source folder to destination folder

2. What function is used to rename files??

**Ans :**

For operations on individual files, we can use the OS module

import os #This will help us to import os module

os.rename(‘krishna.txt',Sumanthu.txt')# using this we can remane the file

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**:

ZipFile.**close**()[¶](https://docs.python.org/3/library/zipfile.html#zipfile.ZipFile.close) This is the metjod from documentation which will help us to close the xip file objects which are opened to perform some operations

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

import shutil

srcfilelist=[]

for file in os.listdir(r'C:\Users\krishna\Downloads'):

if file.endswith(".pdf"):

print(file)

srcfile=os.path.join(r'C:\Users\krishna\Downloads', file)

destfile=os.path.join(r'C:\Users\krishna\Downloads\pdfdownload',file)

shutil.copyfile(srcfile,destfile)