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

shutil.copy() is used to copy a single file, while shutil.copytree() is used to copy an entire directory and its subdirectories.

shutil.copy(src, dst) takes in two arguments, the source file and the destination, and returns the destination file's path.

shutil.copytree(src, dst) takes in two arguments, the source directory and the destination, and returns the destination directory's path.

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

In Python, you can use the os module's rename() function to rename a file.

Here's an example:

import os

os.rename("old\_file\_name.txt", "new\_file\_name.txt")

This renames the file old\_file\_name.txt to new\_file\_name.txt.

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

The send2trash function in the send2trash module and the rmtree function in the shutil module are both used to delete files and directories in Python. However, they have some differences in their behavior.

The send2trash function sends the files and directories to the trash or recycle bin, preserving the ability to recover the deleted items if necessary. This makes send2trash a safer option for deleting files and directories, as it reduces the risk of accidentally losing important data.

On the other hand, the rmtree function permanently deletes the files and directories, without providing the option to recover the deleted items. This makes rmtree a more dangerous option for deleting files and directories, as it increases the risk of accidentally losing important data.

In summary, if you want to delete a file or directory in a way that allows recovery, use send2trash. If you want to permanently delete a file or directory, use rmtree.

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

In Python, the equivalent method of the open() method for a file object in the zipfile module is the ZipFile class's \_\_init\_\_ method.

**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.**

https://github.com/snehankitc/Python-basic-assignment-Program/blob/main/Assignment\_10\_Program