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

Sol :- shutil.copy() copies the file content from source to the destination. It will copy the file contents to a new file and acquire the name of the destination file if it is different from source.

Shut.copytree() copies the entire folder including it's sub-directories and files from source to destination. And it will also acquire the name of the destination folder if it is different from source.

2. What function is used to rename files??

Sol :- os.rename() method is used to rename files from source to destination.

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

Sol :- while shutil.rmtree() method permanently deletes the files and folders in the specified path. Send2trash method will put files or folders in trash or recycle bin. We can later restore them if needed.

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

Sol :- zipfile.ZipFile('new.zip', 'w')

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.

Sol :-

import shutil, os

for filename in os.listdir():

   if filename.endswith('.jpg'):

   shutil.copy(filename, 'C:\\new_folder')