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

- shutil copy() will copy a single file, shutil. copytree() will copy an entire folder and every folder and file contained in it. Calling shutil. copytree(source, destination) will copy the folder at the path source , along with all of its files and subfolders, to the folder at the path destination.

2. What function is used to rename files?

- os. rename() method in Python is used to rename a file or directory. This method renames a source file/ directory to specified destination file/directory.

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

- 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?

- To create your own compressed ZIP files, you must open the ZipFile object in write mode by passing 'w' as the second argument. (This is similar to opening a text file in write mode by passing 'w' to the open() function.) This code will create a new ZIP file named new. zip that has the compressed contents of spam.

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 into a new folder.

```
import os, shutil

def moveFileType(folder):
    for folderName, subfolders, filenames in os.walk(folder):
        for subfolder in subfolders:
            for filename in filenames:
                if filename.endswith('.jpg'):
                    shutil.copy(folder + filename, '<destination>')

moveFileType('<source>')
```