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

- shutil.copy() takes location of a file and the location of the destination folder along with it's name and copy this file to the destination folder.
- shutil.copytree() takes the location of the source folder and destination directory along with the name for the copied folder and copies the entire source folder with the given name.

2. What function is used to rename files??

- os.rename()

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

- Delete functions in send2trash and shutil are send2trash.send2trash() and shutil.rmtree()
- Delete function in shutil is very dangerous, it will permanently delete all the files and folders in the given path
- Delete function in send2trash is safe because, it just moves files and folders in the given path to the Recycle bin.

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

- zipfile.ZipFile()

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.

```
def file_copy(curr_dir, dest_dir, extension_list):
    """
    pass the directory of the from and to folders in curr_dir, and dest_dir respectively.
    enter the extensions of the desired files without dot like... ['png', 'pdf']
    """
    curr = os.path.abspath(curr_dir)
    dest = os.path.abspath(dest_dir)
    for folder, sub_folders, files in os.walk(curr):
        for file in files:
            if file.split('.')[1] in extension_list:
                file_path = folder + '\\' + file
                shutil.copy(file_path, dest)
```

- This function will give the desired results.