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

**Ans: shutil.copy() copies only a single file while shutil.copytree() copies entire folder and every folder and file contained within that folder.**

2. What function is used to rename files??

**Ans: shutil.move(source, destination) can be used to rename files.**

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

**Ans: send2trash.send2trash() moves the file at the given location to Recycle Bin so that it can later be recovered if required but shutil.rmtree() completely deletes the directory and all the files and folders inside it.**

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.extractall() or ZipFile.extract() or ZipFile.open()**

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, shutil**

**extensions = [pdf, jpg]**

**curr\_folder = os.path.abspath(curr\_folder)**

**dest\_folder = os.path.abspath(dest\_folder)**

**for foldername, subfolders, filenames in os.walk(curr\_folder):**

**for filename in filenames:**

**name, extension = os.path.splitext(filename)**

**if extension in extensions:**

**fileAbsPath = foldername + os.path.sep + filename**

**shutil.copy(fileAbsPath, dest\_Folder)**