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

**shutil.copy() Used to copy single file , shutil.copytree() is to copy the entire filed and folders from that directory.**

1. What function is used to rename files?

**shutil.move()**

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

**send2trash – To send the file/folder to recycle Bin , shutil function for permanent deletion.**

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

**from zipfile import ZipFile**

**zipfile.ZipFile(test, 'r')r , w , a anymode we can use while opening**

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.

**import os, shutil**

**def selectiveCopy(folder, extensions, destFolder):**

**folder = os.path.abspath(folder)**

**destFolder = os.path.abspath(destFolder)**

**print('Looking in', folder, 'for files with extensions of', ', '.join(extensions))**

**for foldername, subfolders, filenames in os.walk(folder):**

**for filename in filenames:**

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

**if extension in extensions:**

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

**print('Coping', fileAbsPath, 'to', destFolder)**

**shutil.copy(fileAbsPath, destFolder)**

**extensions = ['.jpg', '.pdf']**

**folder = 'one'**

**destFolder = 'two'**

**selectiveCopy(folder, extensions, destFolder)**