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

**Ans: shutil.copy() copies a single file.**

**Shutil.copytree() copies the whole folder.**

2. What function is used to rename files??

**Ans: shutil.move()**

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

**Ans: 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?

**Ans: ZipFile() function is equivalent to the open() function the first argument is the filename, and the second argument is the mode to open the ZIP file in (read, write, or append).**

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**

**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 = ['.php', '.py']**

**folder = 'randomFolder'**

**destFolder = 'selectiveFolder'**

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