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

**Answer: The shutil.copy() function will copy a single file, while shutil.copytree() will copy an entire folder, along with all its contents**

2. What function is used to rename files??

**Answer: The shutil.move() function is used for renaming files.**

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

**Answer: 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?

**Answer: The zipfile.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**

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.

**Answer: (*notebook is also committed)***

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

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

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

**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**

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

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

**folder = 'old'**

**destFolder = 'new'**

**copy(folder, extensions, destFolder)**