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

**Answer:**

**shutil.copy() : it is used to copy the content of the file from the source to destination file or directory.**

**shutil.copytree() : it copies the entire directory tree recursively from src to destination directory.**

2. What function is used to rename files??

**Answer: we can use os.rename(old\_file file\_name,new\_file\_name) to rename a file.**

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

**Answer: send2trash basically sends the files to the trash(recycle bin).**

**delete will delete the the file completely from the system.**

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

**Answer: from zipfile import ZipFile**

**with ZipFile(file\_name, 'r') as zip:**

**this is the equivalent menthod to file.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.

**Answer:**

**import os**

**import shutil**

**srcPath = 'C:/Users/jbhatt/Downloads/DEMO'**

**dstPath = 'C:/Users/jbhatt/Downloads/New'**

**fileExtension = '.txt'**

**for root, dirs, files in os.walk(srcPath):**

**for file in files:**

**exactpath=str(os.path.join(root, file)).replace('\\\\', '').replace('\\', '/')**

**if(exactpath.find('.txt') != -1):**

**shutil.copy(exactpath, dstPath)**