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

**Answer:**

**shutil.copy will copy only one file**

**shutil.copytree will copy the entire folder**

2. What function is used to rename files??

**Answer:**

**shutil.move() is used to rename the files**

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

**Answer:**

**Send2trash will move the files and folders to recyclebin**

**Shutil will permanently delete the 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:**

**zipfile.ZipFile()**

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:**

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

**destfolder=os.getcwd()+"\\"+'newfolder'**

**srcfolder=os.path.abspath(os.getcwd())**

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

**for rootfolder,subfolders, files in os.walk(srcfolder):**

**for filename in files:**

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

**if patt in pattern :**

**sourcefilename = rootfolder + os.path.sep + filename**

**if not os.path.isdir(destfolder):**

**print("Folder Not available. Creting one...")**

**os.mkdir(destfolder,mode=0o777)**

**shutil.copy(sourcefilename, destfolder)**