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

**-** shutil.copy() function will copy a single file and shutil.copytree() will copy a folder with entire content

**2. What function is used to rename files??**

**-** shutil.move() is used to reneme file

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

**-** send2 trash function will move file and folder to recycle bin and shutil function will permanently delete the file and folder

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

- 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 read , write or append mode.

**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

Sourcepath= input(“enter the absolute path of the source folder”)

fileExtType=input(“enter the typr of file to copy”).lower()

destPath= input(“enter the absolute path of the destination folder”)

for foldername,subfolders,filename in os.walk(sourcepath):

for filename in filenames:

if filename.lower().endswith(fileExtType):

copysourcepath=os.path.join(foldername,filename)

shutil.copy(copysourcepath, destpath)

else:

continue