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

shutil.copy() used to copy the content of source file to destination file.(single file) while

shutil.copytree() used to copy the entire folder and file in that folder to destination directory.

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

Os.rename(old file name, new file name) function is used to rename files.

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

delete functions in the send2trash delete the file and moved to recycle bin while delete in shutil modules permanently delete files 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?**

ZipFile.open(filename,mode=’r’/’w’/’a’)

**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

def searches\_file\_extension(extensions,source,destination):

  src=os.path.abspath(source)

  dist=os.path.abspath(destination)

  for foldername,subfolders,filenames in os.walk(src):

    for filename in filenames:

      name,extension=os.path.splitext(filename)

    if extension in extensions:

      source\_path=foldername + os.path.sep + src

      shutil.copy(source\_path,dist)