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

* While shutil. copy() will copy a single file.
* shutil. copytree() will copy an entire folder and every folder and file contained in it.

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

**os.rename()** method in Python is used to rename a file or directory.

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

* The send2trash functions will move a file or folder to the recycle bin
* 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?**

The **zipfile.** **ZipFile() function** is equivalent to the open() function.

**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 into a new folder.**

import os, shutil

def moveFileType(folder):

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

for file in files:

if file.endswith('.jpg'):

image\_path=os.path.join(root,file) # get the path location of each jpeg image.

print('location: ',image\_path)

shutil.copy(image\_path, '/home/aniket/Documents/assignment')

moveFileType('/home/aniket/NewFolder/')