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, while **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; the first argument is the filename, and the second argument is the 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  
import shutil  
  
  
def selectiveCopy(folder, extensions, destFolder):  
 folder = os.path.abspath(folder)  
 destFolder = os.path.abspath(destFolder)  
 print('Looking in', folder, 'for files with extensions of', ', '.join(extensions))  
 for foldername, subfolders, filenames in os.walk(folder):  
 for filename in filenames:  
 name, extension = os.path.splitext(filename)  
 if extension in extensions:  
 fileAbsPath = foldername + os.path.sep + filename  
 print('Coping', fileAbsPath, 'to', destFolder)  
 shutil.copy(fileAbsPath, destFolder)  
  
  
extensions = ['.pdf', '.jpg']  
folder = 'folder1'  
destFolder = 'folder2'  
selectiveCopy(folder, extensions, destFolder)