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

Ans: shutil.copy() will copy one single file where as shutil.copytree() will copy an entire folder and every file and folder contained in it.

2. What function is used to rename files??

Ans: os.rename() function is used to change the name of any file or directory. It takes source and destination of the file as argument.

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

Ans: send2thrash will move the file or folder to recycle bin while shutil function will delete it permanently.

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

Ans: 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.

Ans:   
import os, shutil  
  
  
def selectiveCopy(folder, extensions, 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)  
   
  
 print(count,'number of copy')  
  
  
extensions = ['.docx', '.pdf']  
folder = '/home/neelneera/Downloads'  
destFolder = '/home/neelneera/iNEURON'  
selectiveCopy(folder, extensions, destFolder)