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

Shutil.copy() will copy a single file whereas shutil.copytree() will copy an entire folder.

1. What function is used to rename files??

Os.rename() function can be used to rename file.

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

Send2trash will move the file or folder to recycle bin whereas shutil will permanently delete file or 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.ZipFile() can be used to open file like open() method

1. 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  
  
base\_path= "../../python"  
source\_folder\_name='source\_folder'  
target\_folder\_name='target\_folder'  
  
def search\_move\_files(source,target,file\_extension):  
 for root,dirs,files in os.walk(source):  
 for file in files:  
 if file.endswith('.'+file\_extension):  
 source\_file = os.path.join(root,file)  
 shutil.copy(source\_file,target)  
  
source\_path = os.path.join(base\_path,source\_folder\_name)  
target\_path = os.path.join(base\_path,target\_folder\_name)  
  
search\_move\_files(source\_path,target\_path,"jpg")