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

**Ans:** Shutil.copy copies one file while shutil.copytree()copies all the files and folder in a folder to a certain folder.

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

**Ans:** Shutil.move()

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

**Ans:** Shutil.rmtree(path) will delete folder at the path along with all files and folders with in. It deletes permanently. While send2trash will move the folder to be  deleted along with contents to the trash folder. The deleted contents may be restored from the Trash.

**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(path, 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.**

**Ans:**

import shutil  
import os  
  
def move\_pdf(src, file\_ext, dest):  
 for folderName, subfolders, filenames in os.walk(src):  
 for filename in filenames:  
 if os.path.splitext(filename)[-1]==file\_ext:  
 shutil.move(os.path.join(folderName, filename), os.path.join(dest, filename))  
  
  
source = r'C:\Users\ashu gadia\Downloads \Office\Personal\Data\_Science \Full\_Stack\_Data\_Science\Task'

destination = r'C:\Users\ashu gadia\Downloads\Office\Personal\Data\_Science \Full\_Stack\_Data\_Science\New\_folder'

file\_extension = '.png'

move\_pdf(source, file\_extension, destination)