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

shutil. copytree() method recursively copies an entire directory tree rooted at source (src) to the destination directory

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

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

Rename()

1. **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?**

ZipFile() function is equivalent to the open() function; the first argument is the filename, and the second argument is the mode to open the ZIP file in (read, write, or append).

1. **Create a program 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**

**import shutil**

**def find\_and\_copy(extension, src\_folder, dst\_folder):**

**for foldername, subfolders, filenames in os.walk(src\_folder):**

**for filename in filenames:**

**if filename.endswith(extension):**

**src\_file = os.path.join(foldername, filename)**

**dst\_file = os.path.join(dst\_folder, filename)**

**shutil.copy2(src\_file, dst\_file)**

**print(f'Copied {src\_file} to {dst\_file}')**