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

Ans : **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?

**Ans :os.rename used to rename a file or directory.**

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

**Ans : 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?

**Ans: The zipfile.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).**

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):

|  |
| --- |
| 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 = 'randomFolder' |
| destFolder = 'selectiveFolder' |