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

Answer: While 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??

Answer**: rename() function is used to change the name of the file or directory i.e. from old\_name to new\_name without changing the content present in the file.**

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

Answer: **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?

Answer: **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.

Answer:

|  |
| --- |
| 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 = ['.php', '.py'] |
|  | folder = 'randomFolder' |
|  | destFolder = 'selectiveFolder' |
|  | selectiveCopy(folder, extensions, destFolder) |