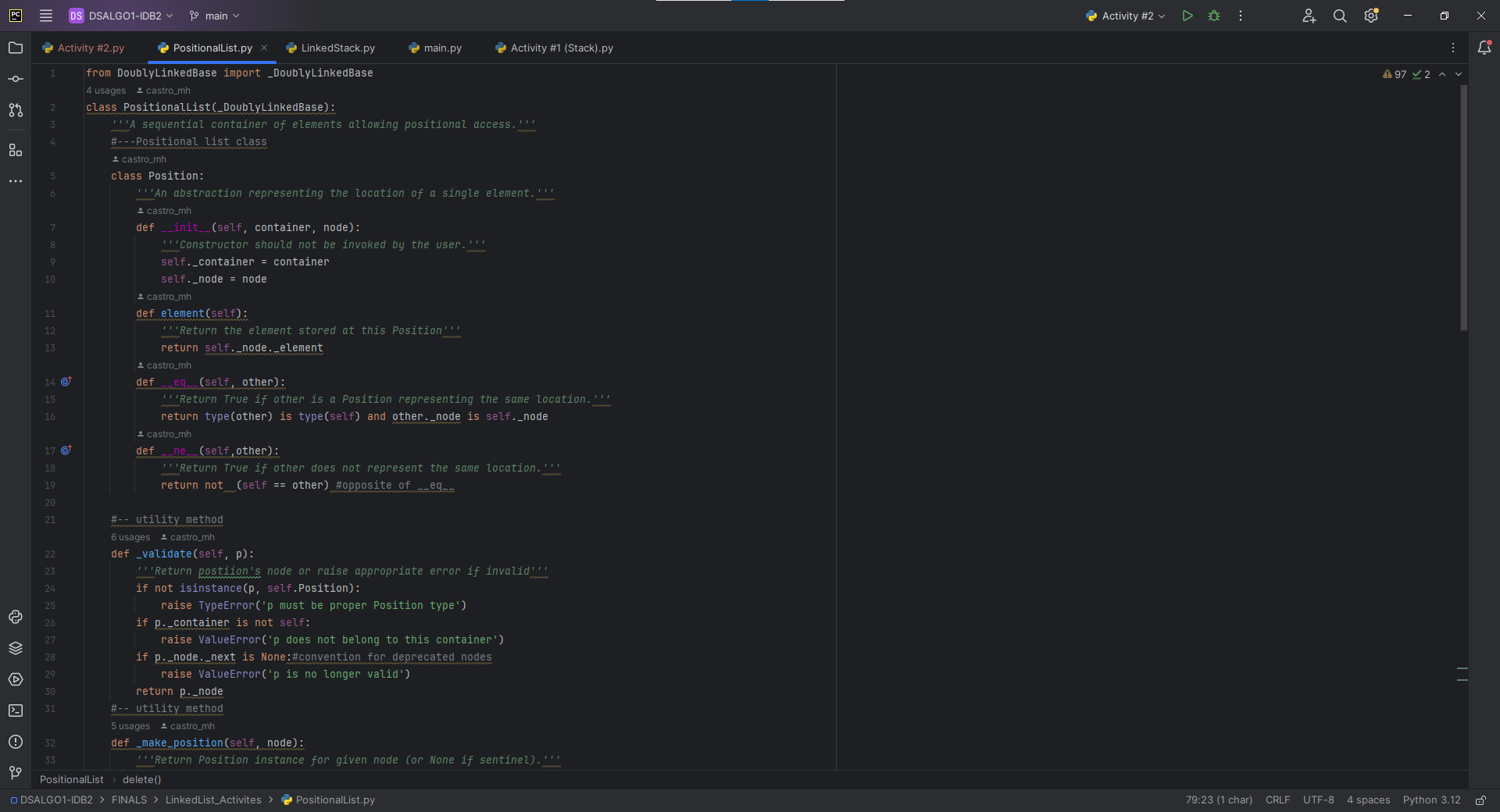
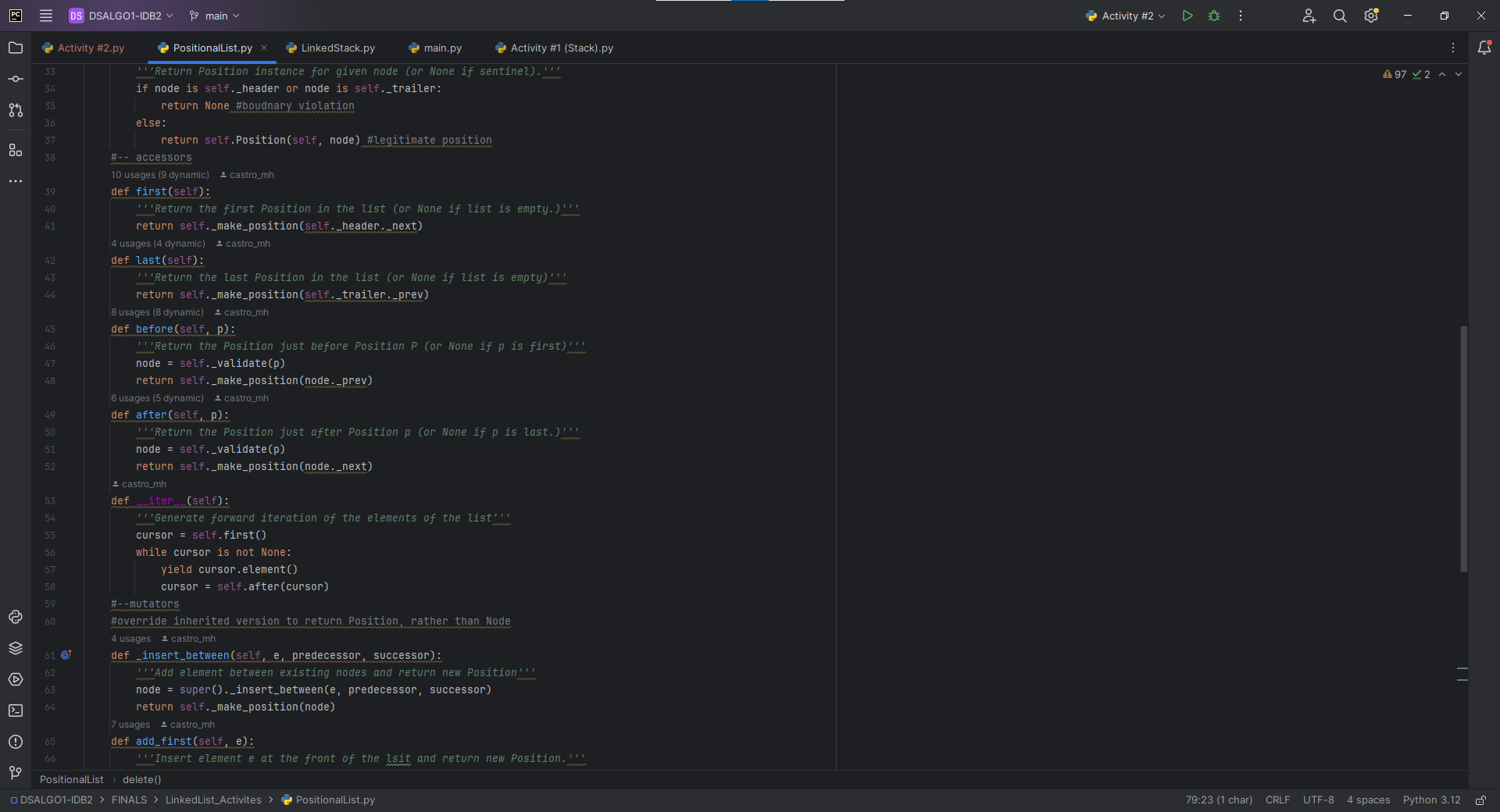
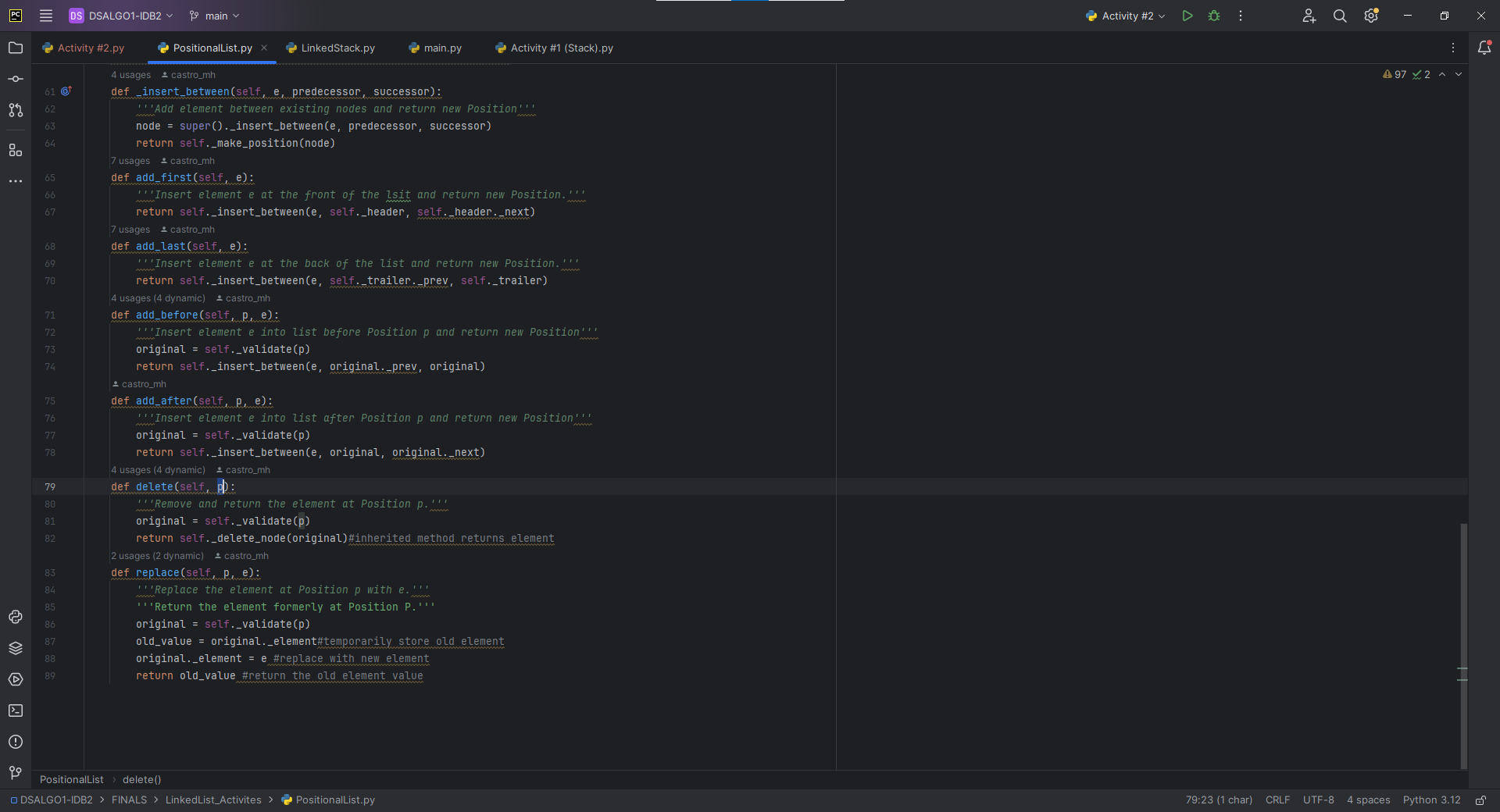
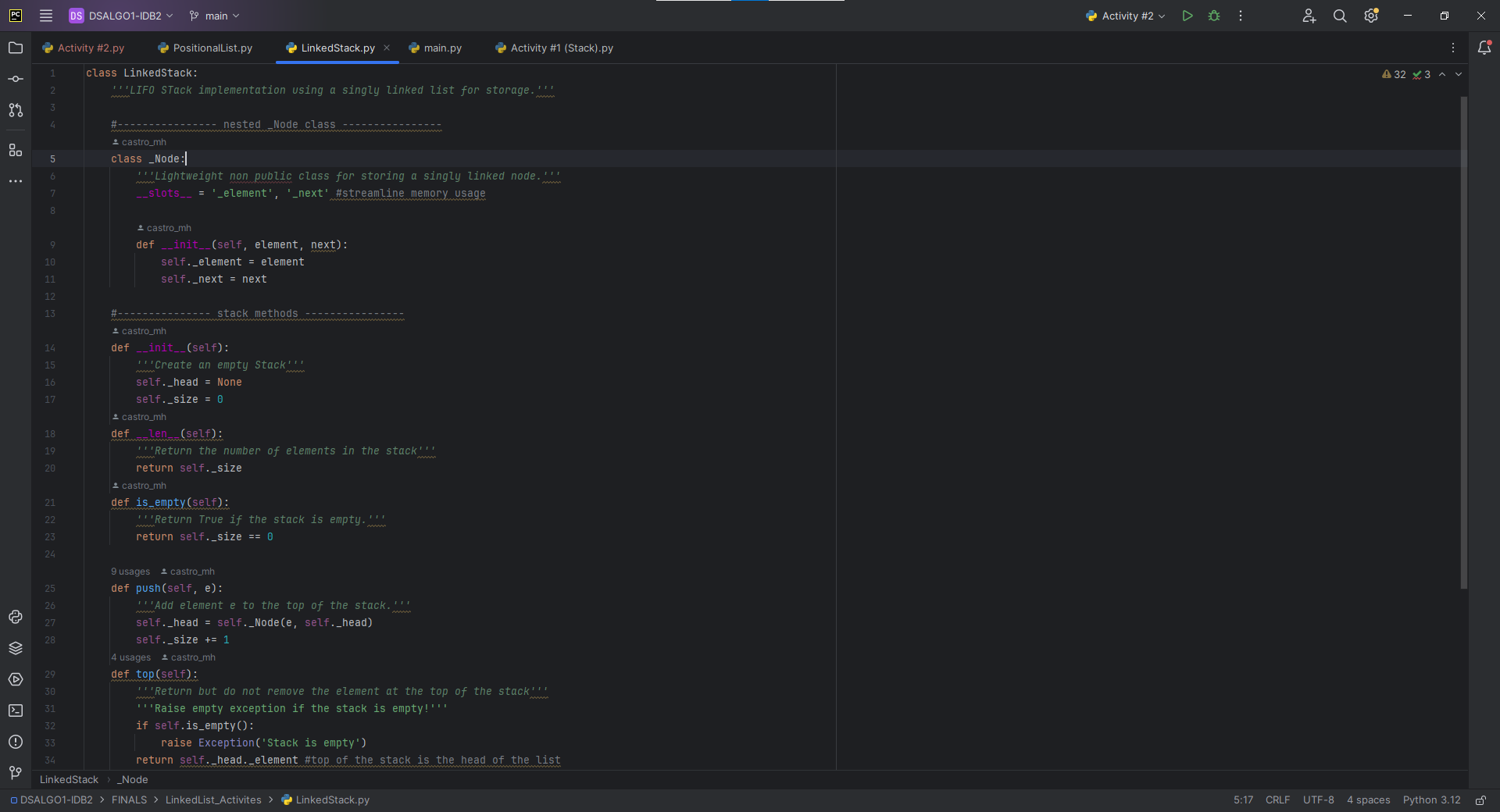
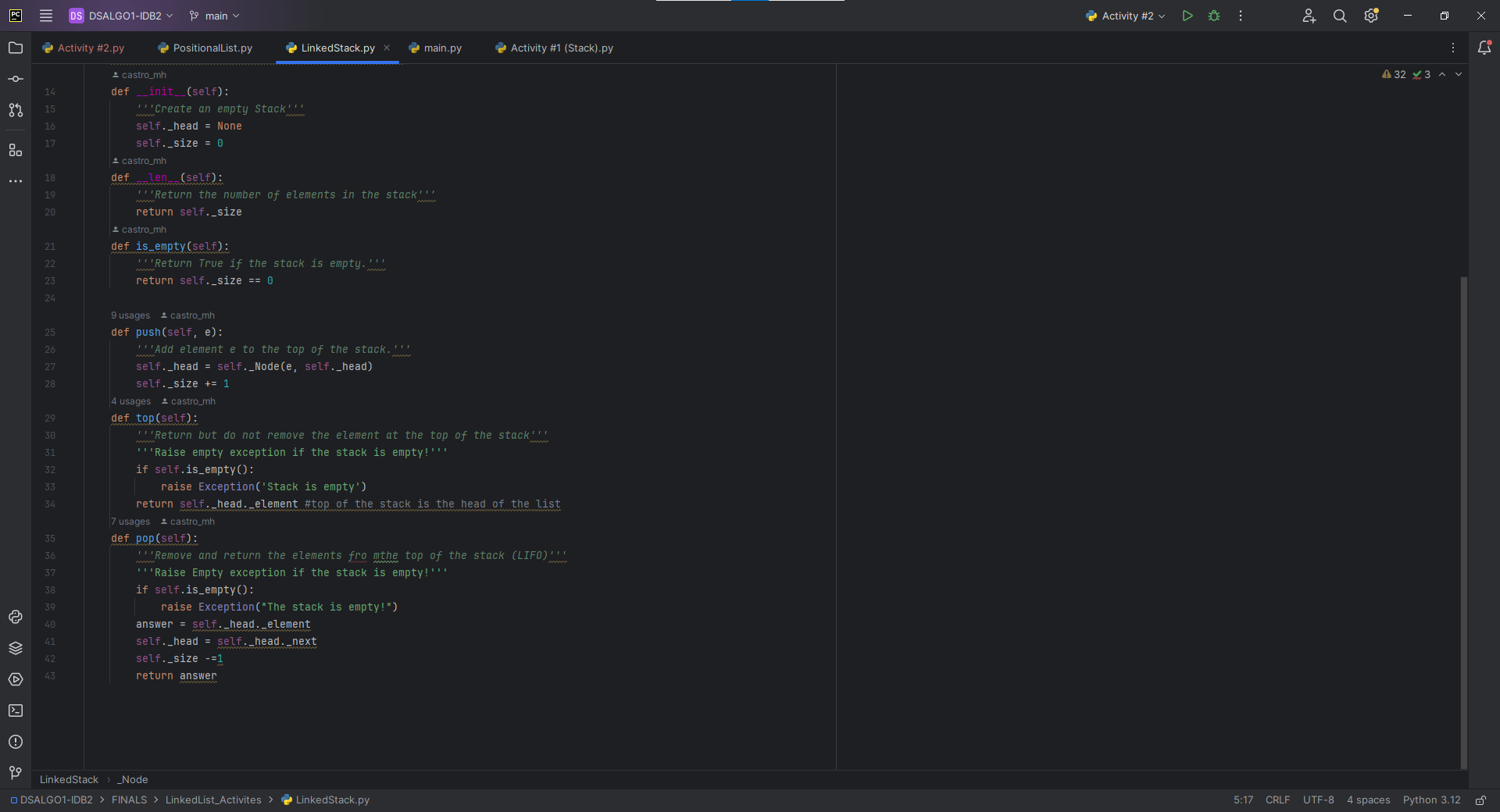
CODE:

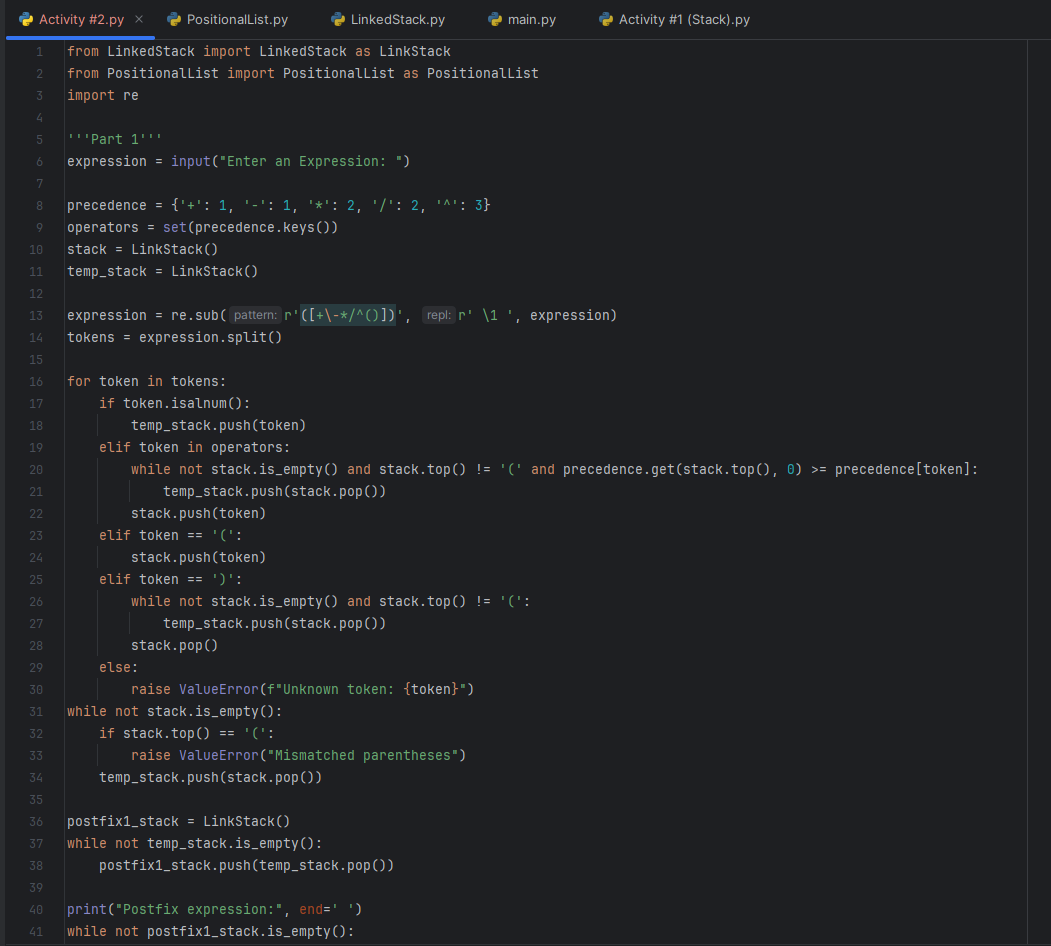


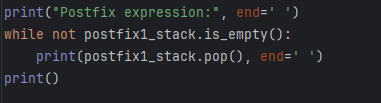


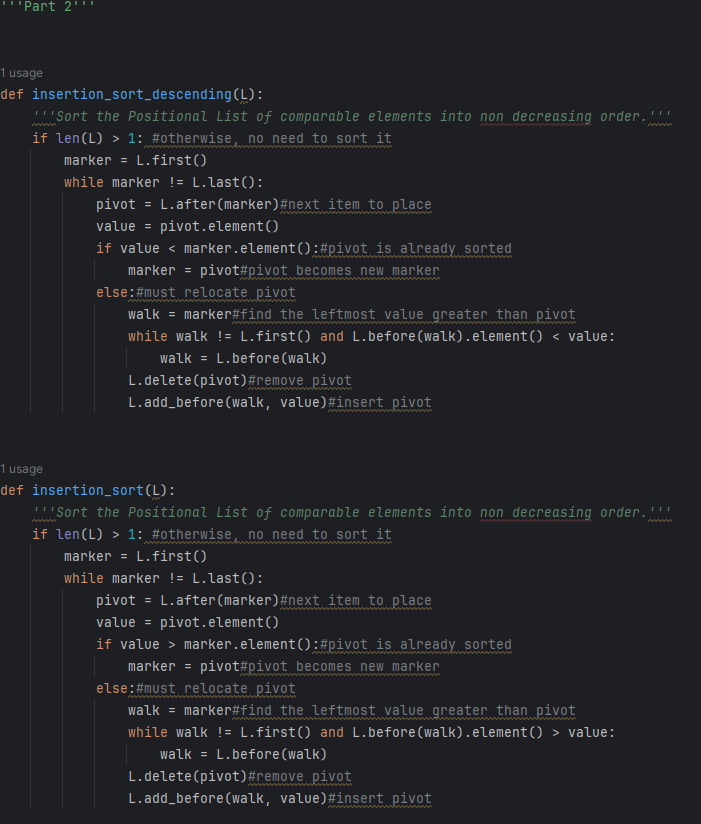














OUTPUT FOR PROBLEM:

