

CROSS-REFERENCE LISTING OF A JAVA PROGRAM

Assumptions

1. Name of input file is passed as a command-line argument (without .java extension), and output file is similarly named, with appended extension .xref.
2. Keywords, constants (numbers, character constants, strings) and comments are not included in the cross reference.
3. Several references to an identifier result in only a single entry in the cross reference.
4. Several references to an identifier on a single line result in only a single line number citation for that identifier in the cross reference.
5. Constants and comments do not cross line boundaries. (Java allows /* ... */ comments to cross line boundaries.)
6. /*, */ , and // do not appear in string literals.
7. Input contains no escape sequences \" or \' .
8. No **float** or **double** literals appear in scientific (E) notation; **long** and **double** literals do not have appended L's or D's (or l's or d's), and no hexadecimal literals appear.
9. Input is syntactically correct.
10. Limit: ≤ 1000 identifiers (though input can be longer than 1000 lines, and can contain more than 1000 references to identifiers).