Rules for equivalence are:

1. Structural equivalence is used for associative arrays.
2. Structural equivalence is used for lists.
3. Structural equivalence is used for dictionaries.
4. Structural equivalence is used for functions.
5. Internal equivalence is used for strings.
6. Internal equivalence is used for numbers.
7. Internal equivalence is used for booleans.
8. Internal equivalence is used for characters.

code1-

<https://codeshare.io/24mpjb>

code2-

<https://codeshare.io/2pOglz>

Test case for code1- <https://codeshare.io/5MZw3R>

<https://github.com/kevalmorabia97/Type-Checking-for-C-language>

THIS IS THE BEST LINK. IT HAS JAVA CODE FOR CHECKING C LANGUAGE

[https://github.com/prasoontelang/semantic-analyzer](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=2ahUKEwitu7uhrJ_eAhVQ7FMKHbDuAU4QFjAAegQIBxAB&url=https%3A%2F%2Fgithub.com%2Fprasoontelang%2Fsemantic-analyzer&usg=AOvVaw31mm23R0EOU7rYUsKZaEih)

<https://stackoverflow.com/questions/7428032/determine-type-of-a-variable-in-tcl>

<https://wiki.tcl-lang.org/page/Tcl_Obj+Deep+Copy>

Lets code in onlinegdb

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