Representing Scope Information:

Former foogram called as sleepe of that name. Most languages have facilities for defining names with limited scopes. Two canonical examples are FORTRAN, where the scope of a name is a single substitute and ALGOL, where the scope of a name is the block or procedure in which it is declared.

The rules governing the people of rames in block structured language are:

ay A name declared within block B is valid only within B.

by 9f block B1 is nested within B2 then any name valid for B2 is also valid for B1 unless the identifier for that name is re-declared in B1.

This situation allows the possibility that in the Jame program the pame identifier may be declared several times as distinct manes, possibly with different attributes and usually with different intended storage allocations. It is thus the responsibility of the symbol table to keep different declarations of the same identifier distinct. The usual method of moting the distinction is to give a unique number to each program element that may have its own total data. The number of the encreately active subgrogram is computed by severable rule associated with productions that recognize the beginning and end of a subgrogram. The representation of the name sinside the symbol table is a pair consisting of the corresponding identifier and