There are two major activities to relate the symbol table, manuely: miserting values and accepting stored information.

Value insertion occurs primarily when the parser many

Value misertion occurs primarily when the parser processes declarations, while the value retrieval occurs elsewhere.

Value insertion operations include creating a record for a new symbol, assigning values of fields of the records and making adjustments to the internal peopling.

Value retained operations consists of searching backward in the scope to find an identifier by name, examining the formal parameters of a procedure to match them with the actual arguments and examining values in a found record to compare with actual values found in the code.

actual values found in the code.

Information is entered into the psymbols in various times. It is scanner which enter the psymbols in the table first and it is not aware of the psymbols in the table structure of a program. The peanuer views the pource text as an arbitrary requiree of symbols. It just inserts a name in the psymbol table whenever it occurs first in the program text. The peanuer assigns the pame in the program text. The peanuer assigns the pame index to all occurrences of the pame name, even if it is used for different purposes in different blocks.

fixed-length entry: If the number of characters in the pyrobol are restricted, we can design a symbol table entry as a fixed-length entry.