

programs more effective & flexible we can define an array of maximum size and during execution of the program accept array size which is to be processed in a variable & use it for processing.

TWO DIMENSIONAL ARRAY

An array is a collection of data items define with the common variable name & having the same data type. While defining two dimensional array we must specify two sizes first one indicates numbers of rows and second one indicates number of columns. Each of the rows are numbered from 1 less than the row size & each of the column 0 to 1 less than the column size. Row sizes and column sizes are compile expressions.

Elements of two dimensional array can be accessed with the help of two subscript value. First one indicates row number and second one indicates column number. Subscript value can be an integer constant or a variable subscript value must be within the range of array bounds, otherwise compiler will not give any error message it is programmer's duty to keep track of subscript value. Elements of two dimensional array can be accessed for i/p o/p purpose, an arithmetic expression