An annoy is a finite set of same type of data tems. In other words it is a collection of homogeneous data items.

The elements of an armay are stored in succession memory locations. Any elements of an armay is neteror by armay name and index number (subscript).

Types of array

1. One dimensional on linear Amay

2. Two dimensional Annay

1-D Annay:

An arrowy that can be represented by only or dimension such as now on column and that holds finet number of same type of data items is called one dimensional arrowy.

Annay B -> 0 10 12 13 19 20 23 18 29 39

Fig: Graphical Representation of 1-D

1, 2, ---- 10 index numbers

0,10, ---- 39 data items on elements of the

b the annay name

Symbolically the element of the annay is expressed as Bo on B[i], which denotes ith element of the annay,

Store/Retrieve an element into for from an arma int a triol, i, n; scanf (" / d" 4n); for (i=1; i(=n; i++) { 7-mint ("/.d", 4 a [i]); scant for (i=1; i <= n; i++) Sprintf ("/d", a [i]); Algorithm to seanch the langest element of a list 10 1 Theore actual -com just 28 down mismon 2. for (i=1; i = n; i++) Stone data to x[i]; 3. soloroge = x[1]; 4. for (i=2; i <= n; i++) to a monital (x [i] > lange) lange = x [1]

5. output: The langest numbers

(Print the value of lange)