/* Addressing an element at a particular index for One dimensional Array */

In this we have to find the address of an element at a particular Subscript.

Let suppose an eg.

A[1300....... 1900] and the base address of an Array is given 1187 , Size or width of element is 2bytes.

And we have to find the address of A[1708]

Solution :-

B = 1187
LB = 1300
W = 2
I = 1708

So
$A[I] = B + W * (I - LB)$
$A[1708] = 1187 + 2(1708 - 1187)$
$= 1187 + 2(521)$
$= 1187 + 1042$
$A[1708] = 2229$

	B ↓			2byte ↓				
		1189		~				
Actual Address in memory	1187	1191 ...						
Elements								
Array with respect to the Array	1300	...			1708	- -		1900

(LB)