*	Arrays
•	Assay: set of Boirs (a value and a index)
	An Array is a finite collection of similar
52/41   57 58 58 58	doments stored in adjacent memory location.
•	Assiny is represented in memory as consective
	memory blocks.
	wv [0] [1] [2] [3] [4] [6] [6]
a Trabba Balar	
	Implementation of Array
	Declaration: type arr name Size
	Example: inf arm [5]
	for an is a windle
	mm [0] [1] [2] [3] [4]

1777 [0] = Base address (Random address assigned to 1777)
1777 [8] = Base address + & \* size of (int)

## Implementation of Array

```
Arrenys
```

Address of Array

```
for (i=0; i<5; i++) {

prints ("% B\n", & arr [i]);
```

The second secon	
#	Tusa - Dimensianal Assays
	O .
•	A 2-démensional arrays is a collection of elements
21.	placed in 'm' nows and 'n' colums.
	Two dominisional arrays are used for representing
	table and metrics.
	Occlaration
	type non name [ now size ] [ col size ]
	for example:
	int and [3][5]
	Type - inf
	Name09%
	3 reves and 5 columns
	Initialization
Ţ.	· ·
Year	Directly Initialize while declaring
	imf 0907 [2][3] = \ 1,5,3,8,7,4}
	9 1999 [0][2] = 9
	Use braces to separate:
	inf n= [2][3] = {
	§ 1, 5, 33.
4,	{ 8, 7, 43
	}

```
# include < stdeo. h >
                                     inn - Winstalion
# include < stolleb. h>
ent main () {
       ent 1902 [2][3];
      ent i, j;
      int sounter = 1;
      ger ( i = 0; i<2; i++) {
           for (j=0; j<3; j++) {
               arr[i][j] = counter;
               counter = counter+1;
      for ( i=0; i<2; i++) {
            for (j=0; j<3; j++) {
                 frients ("%d", wer [i][j]);
            prients ("\n");
      return 0; gash which is had a replaced to the
```