l (2D) arrays in C
ith example

ay. The two dimensional (2D) array in C
A matrix can be represented as a table of
ore about two Dimensional array lets have a

sional(2D) Array

a two dimensional array, we will discuss
rates how to store the elements entered by
the elements of a two dimensional array.

```
*/

sp[%d][%d]:", i, j);
```

```
ements:\n");
```

D Array

wo Dimensional arrays during declaration.

```
14, 15, 16, 17};
```

are valid, I recommend you to use the first
se you can visualize the rows and columns of

lizing a 2D array

normal **array** (or you can say one dimensional
ot to specify the size of it. However that's
always specify the second dimension even if
ne declaration. Let's understand this with the

```
pecify second dimension*/

on  mentioned above*/
```

input data into 2D

two dimensional array can have by using this

elements. The array that we have in the
is 5 and 4. These dimensions are known as
subscript value as 5 and **second subscript**

= 20 elements.

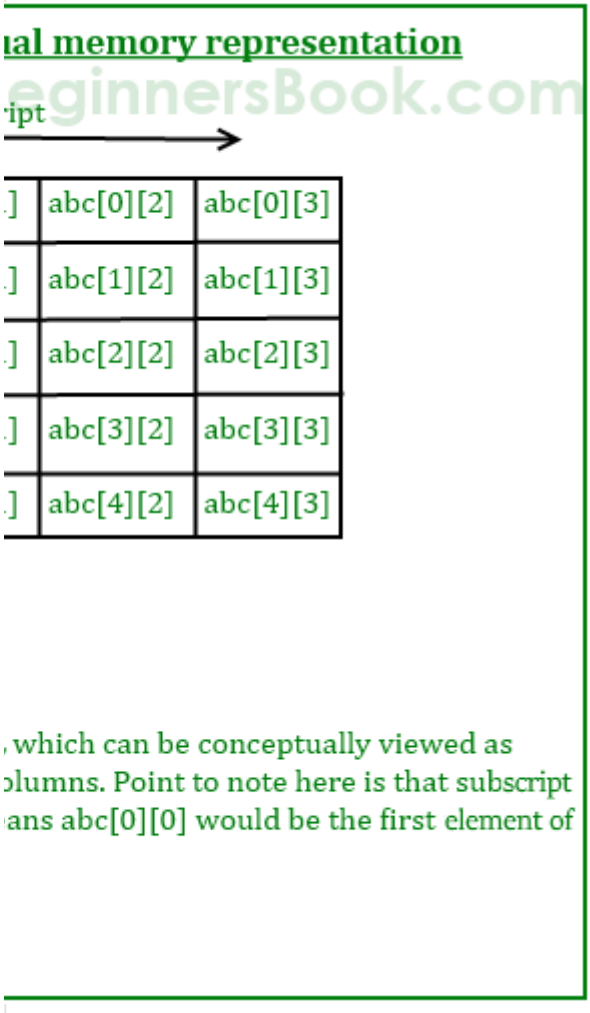
we are using two for loops, one of them is a
0 to the (first subscript -1) and the inner

subscript -1). This way the the order in
be abc[0][0], abc[0][1], abc[0][2]…so on.

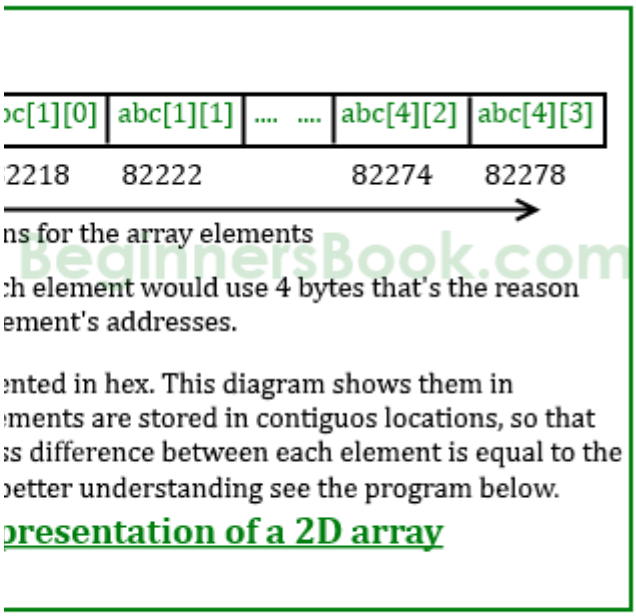
*/

:[%d][%d]:", i, j);

abc of integer type. Conceptually you can



this array in memory would be something like



ay

rray name works as a pointer to the base
However in the case 2D arrays the logic is
a 2D array as collection of several one

irst element of the first row (if we consider

ess of the first element of the second row. To
program –

```
aying an address would be
t for the demonstration
the address in int so that
t with the diagram above that
int element uses and how they
 memory locations.
```

```
00101424 1600101440
```

```
uld be in hex for which we use %p instead of
s is just to show that the elements are
. You can relate the output with the diagram
ween these addresses is actually number of
t row.

ongs to the first element of each row abc[0]
 and abc[4][0].
```

Next ›

.sorting and searching

.a ,you will get extension about it.

ion array plzzz help

of arrays with output as array of nos.

```
10], second[10][10], sum[10][10];

f rows and columns of Array(2D)\n”);

 of first Array\n”);



 of second Array\n");


;

);


second[c][d];
```

ite.

) a pointer ? I am getting error.

ıceptual memory representation" has the
switched the number of rows and columns.

s!!!

ı I dont no row and column size & this value

ɜ the user can insert fruits and their price
ɪsional array

ɭly dont know how to do it

address of particular element in two

ɾix way on console ?

a sentence in a 2D array. Can you help me

olished. Required fields are marked *

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