

Assignment - 5

27-03-2023

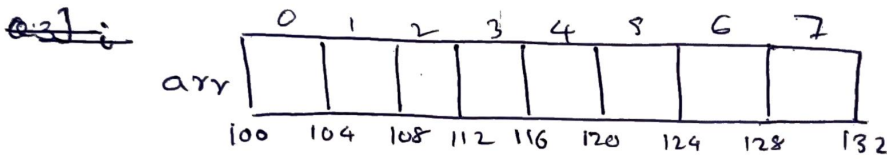
Q1] `int arr[4];`

arr is an one dimensional array, which contains 4 elements in it, each element is of type integer.



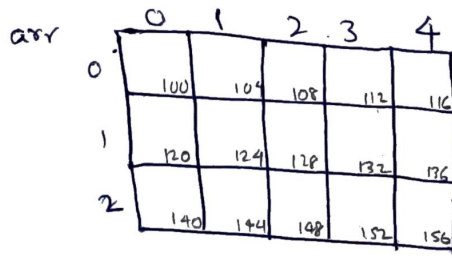
Q2] `float arr[8];`

arr is an one dimensional array, which contains 8 elements in it, each element is of type float.



Q3] `int arr[3][5];`

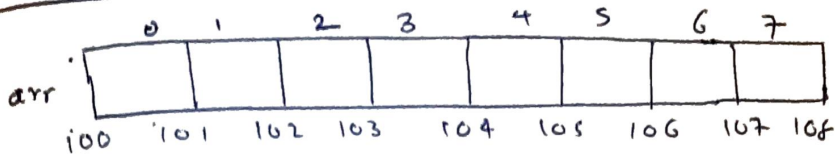
arr is a two-dimensional array, that contains 3 one dimensional arrays, where each one dimensional array contains 5 elements in it, each element of type integer.



Q4] `char arr[2][5];`

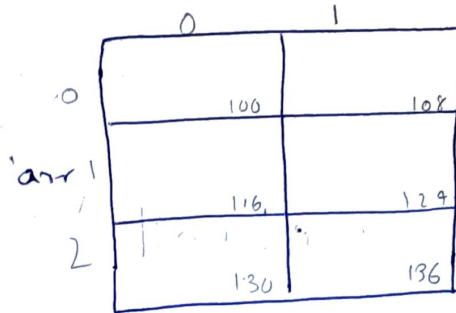
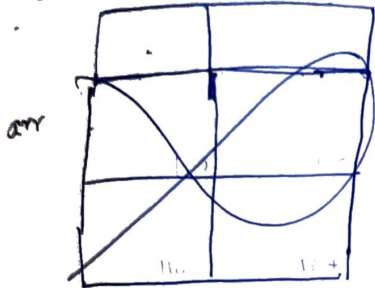
arr is a two dimensional array, which contains 2 one dimensional arrays, each one dimensional

array contains 4 elements, each element of type character.



Q5] double arr[3][2]

arr is a 2-Dimensional array, which has three one-dimensional arrays, each one dimensional array contains 2 elements in it, each element of type double.

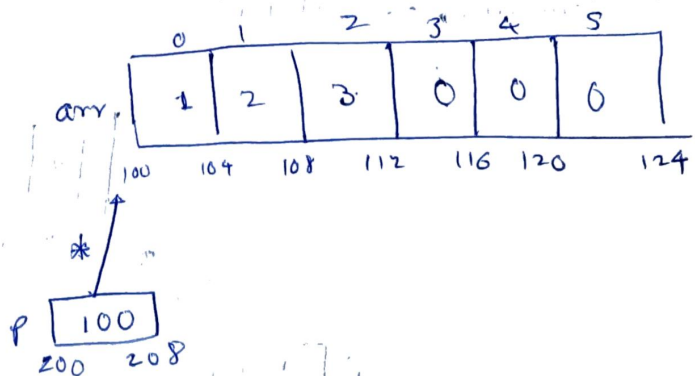


Q6] int arr[6] = { 1, 2, 3 }

int *p = arr;

] arr is a one dimensional array, which contains 8 elements in it, each element is of type integer.

] p is a pointer which points to an array of 6 integers, currently it holds address of arr.

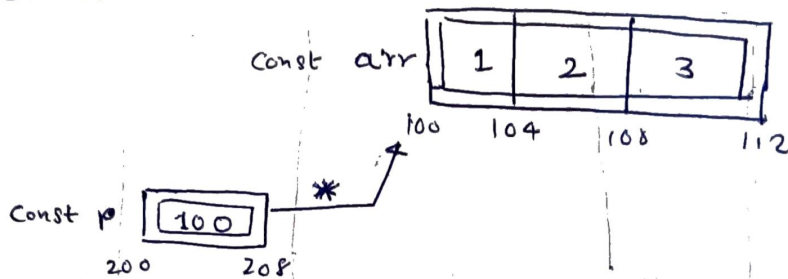


Q8] `int const arr[3] = {1, 2, 3};`

`int const * const p = arr;`

1] `arr` is a one dimensional array, which contains 3 elements, each element is of type integer & const qualifier.

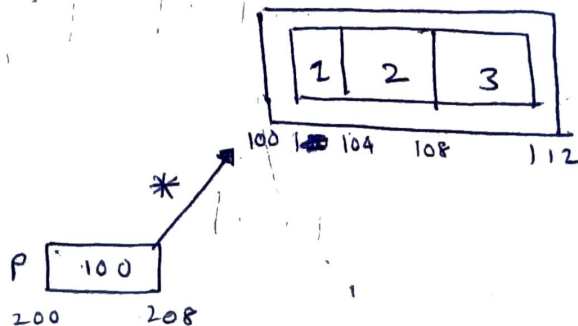
2] `p` is a constant pointer which points to an constant array of 3 elements, currently it holds address of `arr`



Q7] `int const arr[3] = {1, 2, 3};`
`int * p = arr;`

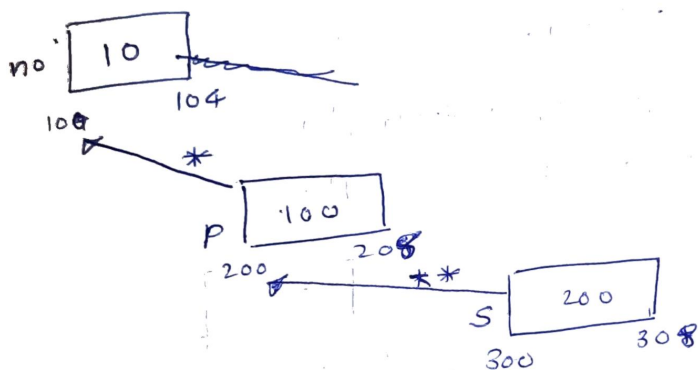
1] `arr` is a one dimensional array which contains three elements, each element of type integer & qualifier constant.

2] `p` is a pointer which points to an array of 3 elements, currently it holds address of `arr`



Q3] `int no = 10;`
`int *p = &no;`
`int **sp = &p;`

-] `no` is a variable of type integer, which has assigned value 10 to it.
-] `p` is a pointer which points to an integer, currently it holds address of `no`.
-] `s` is a pointer to pointer which points to a pointer, currently it ~~points to~~ holds address of `p`.



Q4] `char c = 'A';`
`c` is a variable of ~~the~~ type `char`, which has assigned 'A' value to it.

`char *d = &c;`

`d` is a pointer which points to a character, currently it holds address of `c`.

