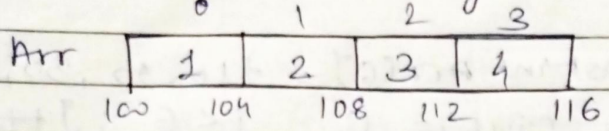
Assignment - 5

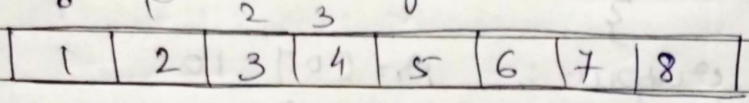
1] `int Arr[];`

Arr is an Array which contains 4 element where each element is of integer datatype.



2] `float Arr[8];`

Arr is an Array, have 8 elements, where each element is of float datatypes



Arr is a 2D array which contains 3 rows & 5 columns, where each element is of type integer

	0	1	2	3	4
0	1	2	3	4	5
1	6	7	8	9	10
2	11	12	13	14	15

Arr.

sizeof(Arr) = 60 bytes (15×4)

4]

Arr is a 2D array which contains 9 elements with 3 rows & 3 columns. where each element is of datatype double.

	0	1	2
0	1.111	2.222	3.333
1	4.444	5.555	6.666
2	7.777	8.888	9.999

Arr

sizeof(Arr) = 72 bytes. (9×8)

5] Arr is a 2D Array which contains 3 1D array and 4 1D array respectively where each element is of character datatype.

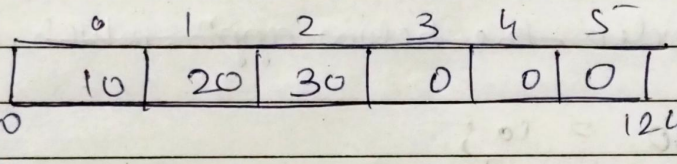
	0	1	2	3
0	a	b	c	d
1	e	f	g	h
2	i	j	k	l

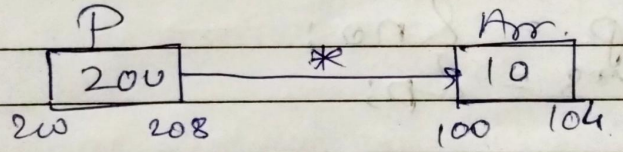
sizeof(Arr) = 12 bytes (12×1)

6] int Arr[6] = {10, 20, 30};

7] Arr is a array which contains 6 elements, each of integer datatype.

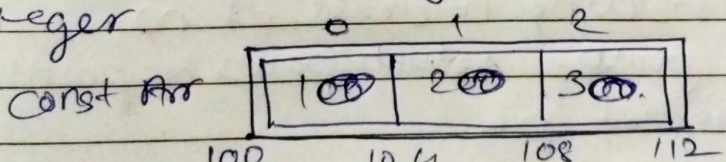
8] P is a pointer of datatype integer which holds address of





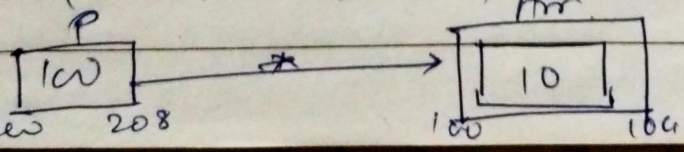
11] 1) int const Arr[3] = {10, 20, 30};

1) Arr is a constant array of 3 elements of type integer.



2) int *p = &Arr;

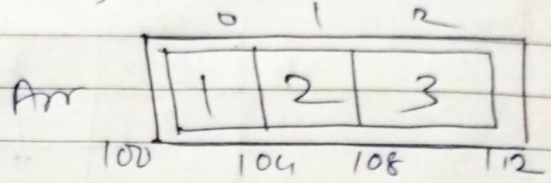
- P is a pointer which points to integer datatype currently holds address of Arr.



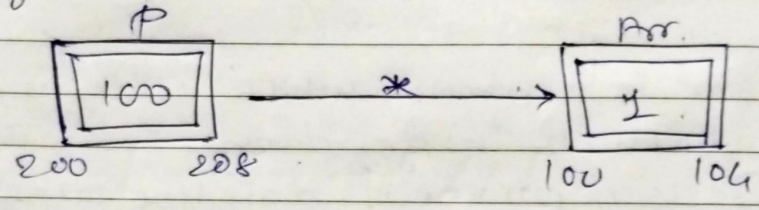
Page No.
Date : / /

8] 1) int const Arr[3] = {1, 2, 3};
2) int const * const p = & Arr.

1) Arr is a constant array ~~storing~~ 3 element of datatype integer.



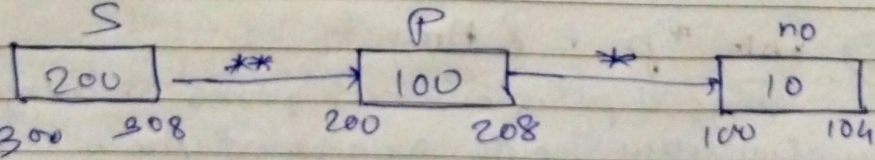
2) P is a constant pointer pointer to integer datatype storing address of const Arr.



- Consider ~~the below appn~~, which c

9] int no = 10;
int *p = &no;
int **s = &p;

1) no is variable of type integer, initialised with value 10.
2) P is a pointer which pointer to integer. ~~storing~~ holding address of no.
3) S is a pointer which points to pointer & holds address of p.



Page No.
Date : / /

10/ 1) char c = '2';
2) char * chptr = & c;

- C is a variable of type character initialized with value 2.
- chptr is a pointer pointing to character holding address of C.