Of Write the statement reading which describes below syntax & draw it's diagrammatic layout.

Q1] int Am [4];

Syntax Am is an Armay which contains four elements where each element 13 of type integer.

Layout 0 1 2 3

Arr 10 20 30 40

92] float Am [8];

Syntax Am is an Armay which contains eight elements where each element is of type float

Layout Arr 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0

(3) int Am [3][5];

Statement Am is a 2-D Amay which contains 15 elements (3 rous 25 columns) where each element is of type integer

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	(columns)										
	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14										
		2	2 3 4 3 112 111	5	6 7	8	9 10	11 1	2 13	14 1	5
04]	double	. Ar	r[3][3];							
stateme nt	Am is a 20 Array which contains 9 elements (3 rous & 3 columns) where each element is of type										
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	10	0 10	8 116) 12	4 12	52 14	10 14	8 15	6 16	4 1	12

Statement Am is a 20 Array Which contains 12 elements (3 TOUS & 4 colomns) where each element is of type character.

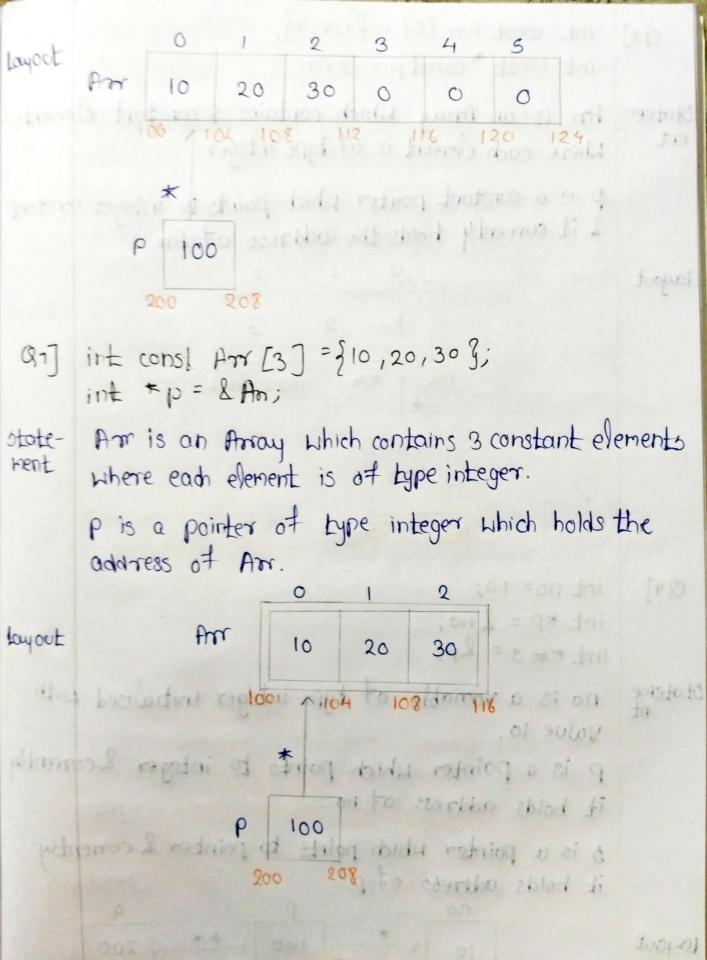
Layout

		0	10	2	3	
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An	A A	B	C	0	E	F	G	H	To	J	K	15
o ai	00 10											

int Am[6] = \$10,20,30 g; int *p = law;

Stateme Arm is an Armay which contains 6 elements where each element is of type integer P is a pointer of type integer which holds the address of Am.



int const Am [8] = {1,2,3}; int const * constp = lAm Arr is an Array Which contains 3 constant elements Statement Where each element is of type integer. p is a constant pointer which points to integer constant Lit currently holds the address of Am. Layout 100 1 104 108 112 Are is an Array which perhaps a constant elements where each element is at dojle integer 31 2 101 bill 200 1 200 1 to retiring a cit 9 oddress of Am. int no= 10; (39) int *p = & no; int + * 3 = & P; Stateme no is a variable of type integer initialised with value 10. P is a pointer which points to integer & corrently it holds address of no. 3 is a pointer which points to pointer & comenty it holds address of p. Layout 200 208 300 100

gio] char c = "Z"; char * chptr = lc;

Statem c is a variable of type character initialised with ent value z

chptaris a pointer which points to character & comently it holds address of of c.

layout

