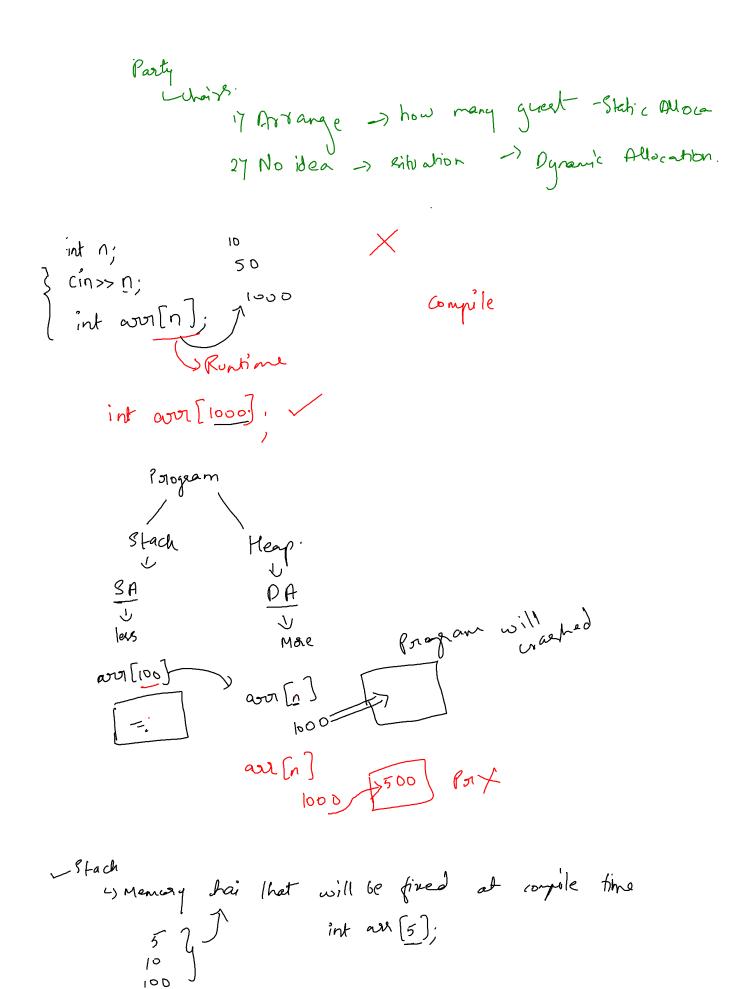
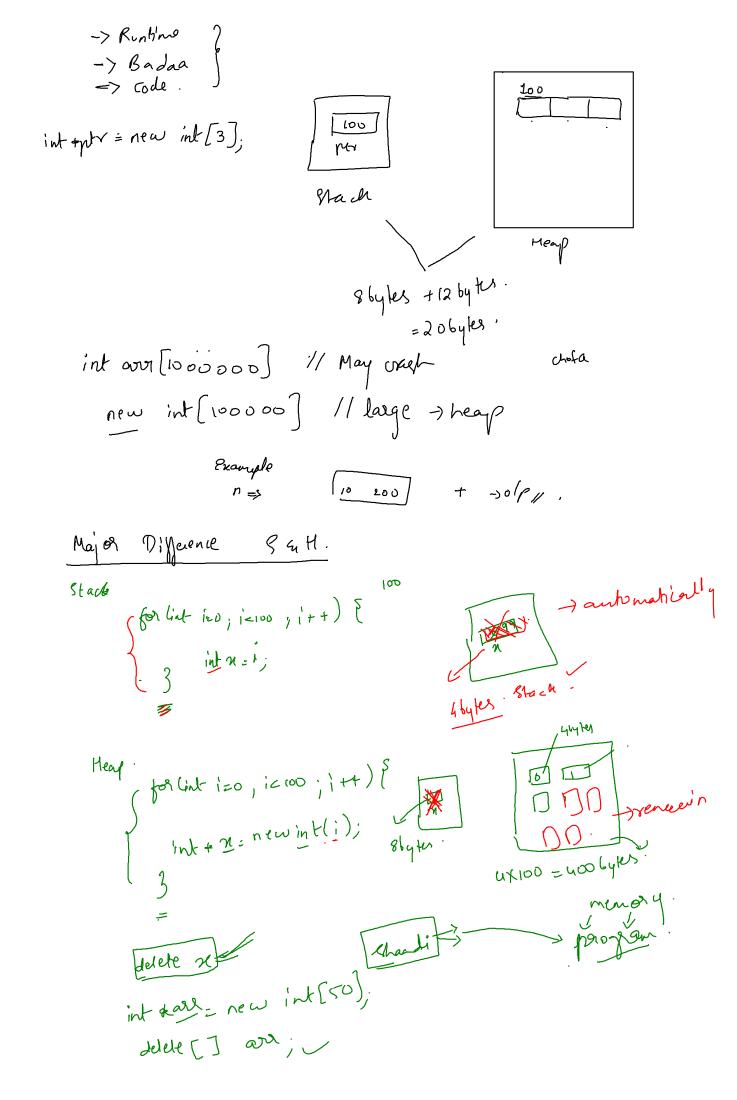
Static v/s Dynamic Memory Allocation



9 Heap					
, J > 100	iable size	. 7	> Stack	λ.	
y.	Heap.	int ara [50]		pointed ?	n = 10
	new int (10);	600 A	3	'ht	# Nt x = 8 %
int the = ?	new int;		eap		
Cont	-ccopy,	10 // .			
)= new chal;				
int=) u bytes utr = 864t	c y 1264ters	BT8 Aty: new int (2) nt-y => 10 4pt-y => 20	D	Stack	Heap
·	*1	intopt cha+ pk6	y 8 bytes		32 / 4 64 / 8
	charapty = new bytes	chan bytes 1 bytes	1100		rup
DMA >	Heap.				
ind C	t n; inson; 7 =new int[n].	7 Runtine			
in the					

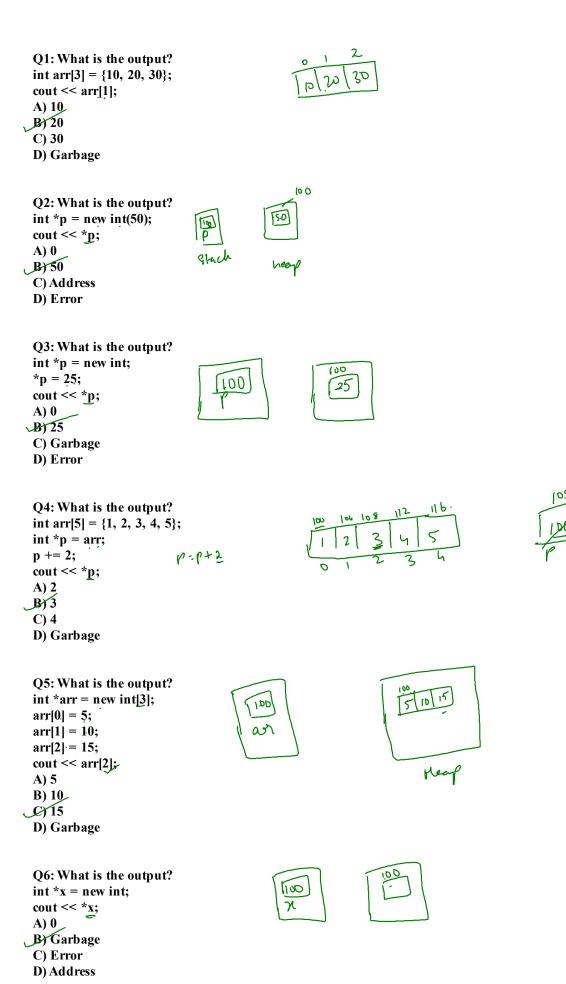


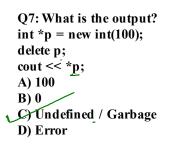
SMA -> Stack -> Compile -> Fined -> Fast >> Noto math(

DMA -> Heap -> Runtine -> Flenitle >> Slow >> Manual deler.

int are [5];

int was = new are int [n] //









Q8: What is the output?
int $arr[4] = \{7, 8, 9, 10\};$
$cout \ll *(arr + 3)$:

1100

$$int *p = new int(99);$$

int *
$$\mathbf{q} = \mathbf{p}$$
;

A) 7

B) 8

C) 9 D) 10









Q10: What is the output?

int arr[] =
$$\{1, 2, 3, 4\}$$
;

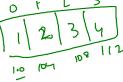
$$int *ptr = ar\overline{r};$$

(B)2

C) 3

D) Garbage





Q11: What is the output?

delete[] arr;

cout << arr[1];

A) 10

B) 20





C) Garbage / Undefined D) Error

Q12: What is the output?

int *p = new int(70);

cout << &p;

A) 70

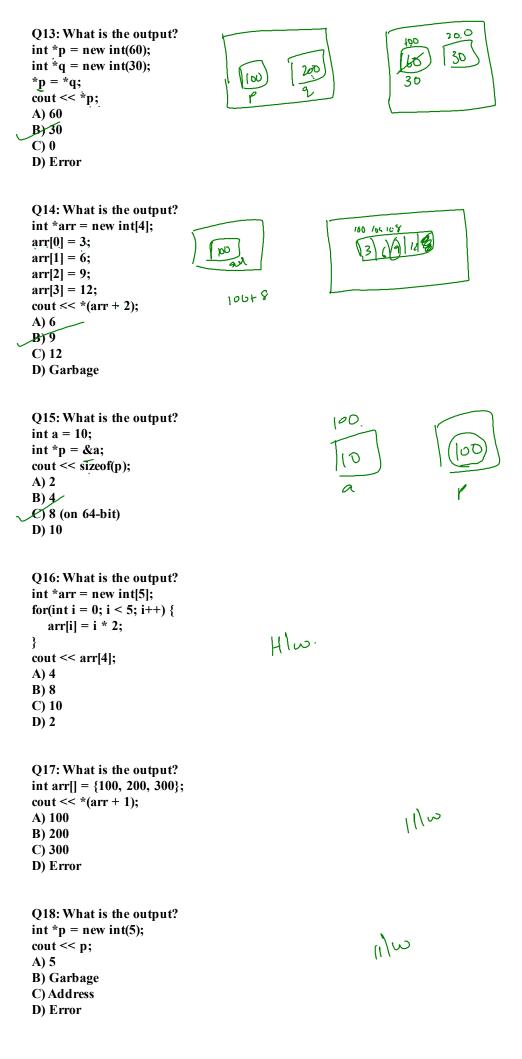
B) Garbage

X) Address of pointer variable

D) Address of 70







```
Q19: What is the output?
int a = 5;
int *p = &a;
delete p;
cout << a;
A) 5
B) Garbage
C) Error
D) Crash

Q20: What is the output?
int *arr = new int[3]{1, 2, 3};
cout << *(arr + 2);
A) 1
B) 2
C) 3
D) Garbage
```

 μ ω

Hm.