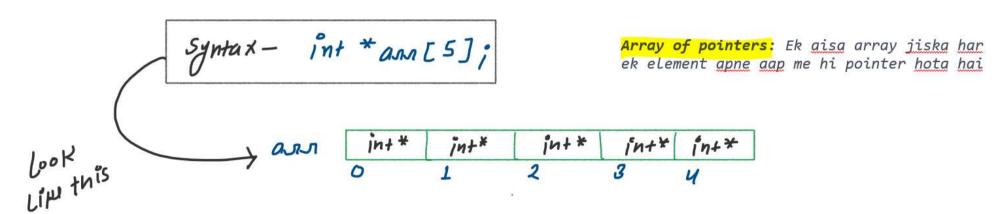
08 10 2023

POINTER LLASS 2

∠CONCEPT 01: Array of pointer

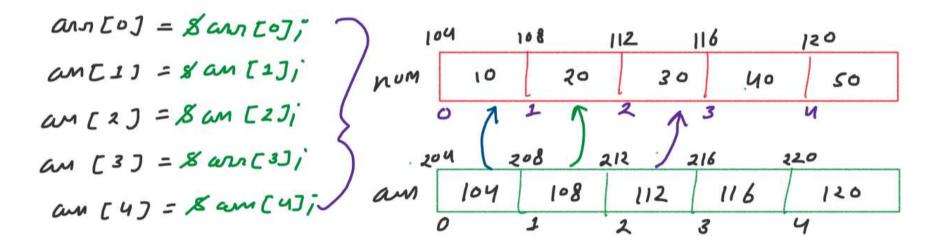


ANTAJ - INT NUM [5] =
$$\begin{cases} 10, 20, 30, 40, 505 \end{cases}$$

NUM 108 112 116 120

NUM 10 20 30 40 50

Assign address of array &nums[i] to each pointer element of array arr[i]



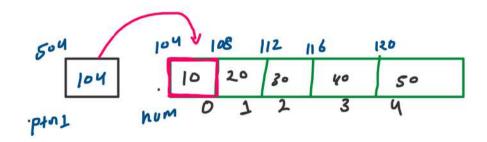
∠CONCEPT 02: Pointer to an array

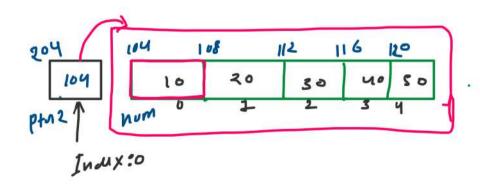
Case 01: Pointer to an array:

num ka iska mtlb: "ptr1" point to starting
element of address of array

Case 02: Pointer to an array:

&num ka iska mtlb: "ptr2" point whole array with starting element of address of pointed array





```
Point
                                                                 *(ptuz +0) = *(104) = 10
                                                P+02 = 104
           = 104
                         P+1
                                 = 104
     hum
                                                                * ( ptm2+1) = 20
                                                *pm2
                                                       = 104
            = 104
                        8 pto1
                                 = 504
    8 num
                                               Spm 2[0] = 104
                                                                *(ptm2+4) =50
                        & P+J1[0] = ERROR
   8 NUMCOJ = 104
                                                PHAZEOJ= 104 8P+AZ = 204
     num [o] = 10
                                = *(104)= 10
                        *pto1
```

* 12+02 [1) = Random

∠CONCEPT 03: Pointer with functions

```
main / ) {
              int ann [] = { 10/20/ 303;
Before S and S = 104

S and S = 104

S size of S and S = 12

S Print Annay S = 10, 20, 30
 Solu (ann 13) j

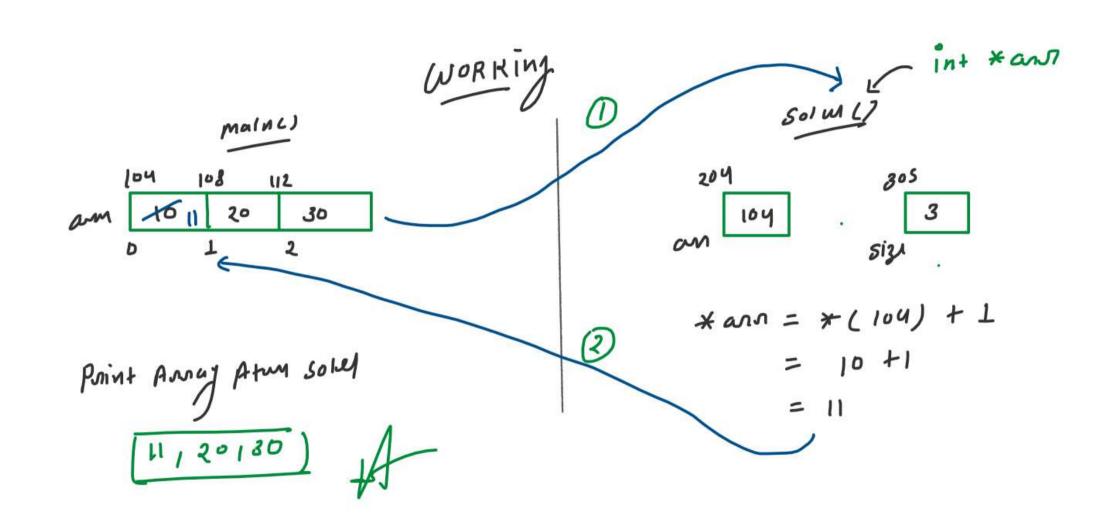
E print Annag = 11, 20130

Sour

Sour
```

```
solu (int * ansi , int size)
Solul (int ansiz), int Sign) &
     Size of points

Not Annay
```



∠CONCEPT 04: Pointer to pointer

int
$$a = 5$$
;

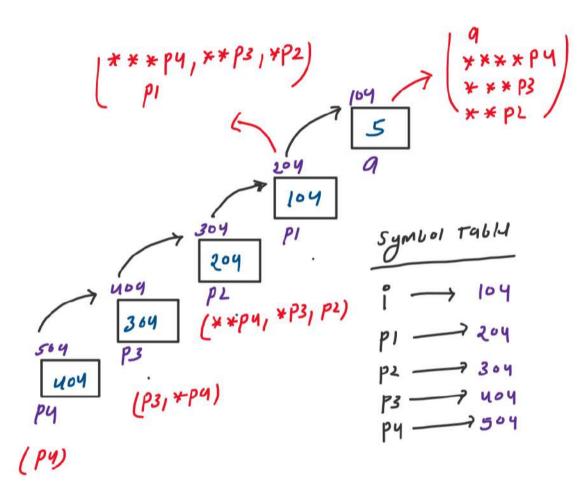
Prointing to integer \rightarrow int $*P1 = 89$;

Prointing to $*P^1 \rightarrow$ int $*P2 = 8P1$;

Prointing to $**P^2 \rightarrow$ int $*** P3 = 8P^2$;

Prointing to $***P^2 \rightarrow$ int $*** P4 = 8P3$;

Prointing to $***P^3 \rightarrow$ int $*** P4 = 8P3$.

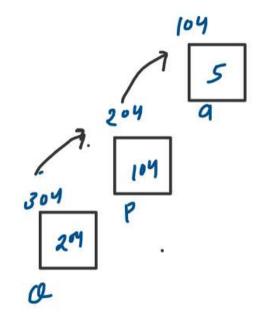


Cout
$$Q = \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{$$

int
$$q = 5i$$

int $p = 89i$

int ** $a = 8pi$

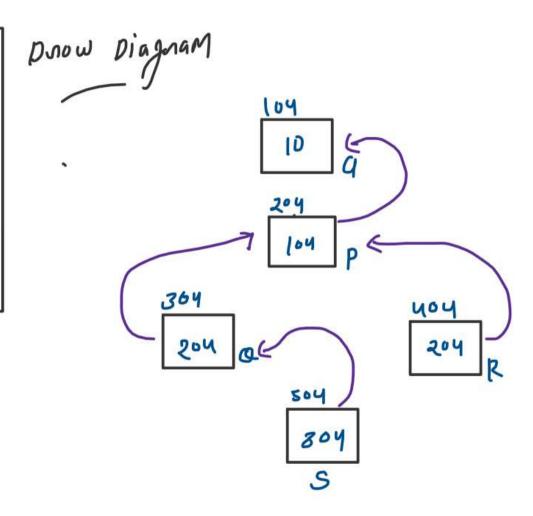


$$Q = 5$$
 $P = 104$
 $Q = 10$

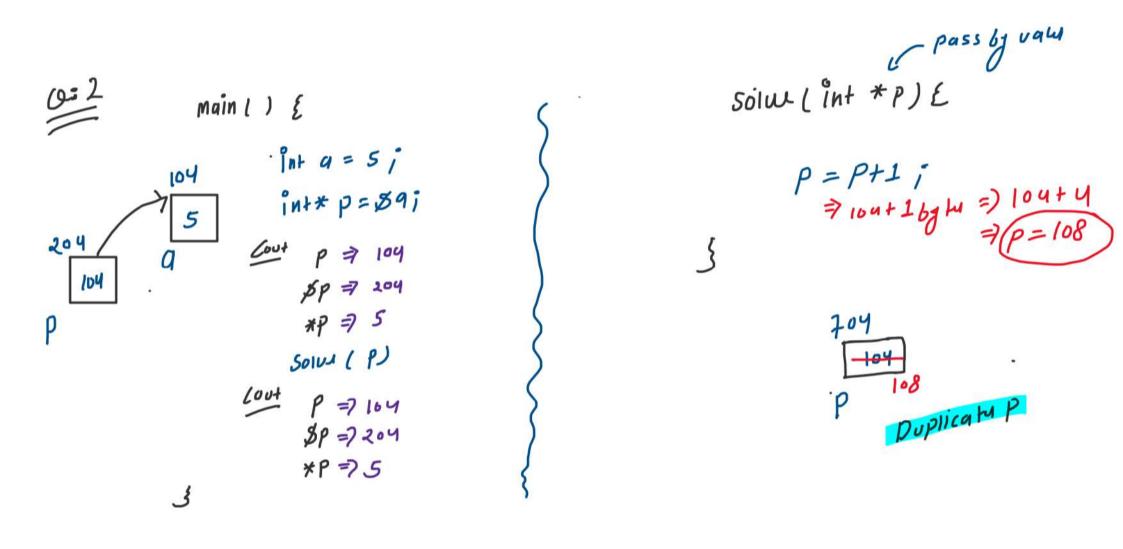
Q: (2)

which was produce the Error

Cornet Line int ** 4 = 8 Pi



∠CONCEPT 05: Pass by value solu (int * P) E main () { int a = 5; *P=*P+5; int* p=89; ⇒*(104)+5 204 =) 5+5 Solus (P) Lout P=7104 3 (Iss case Me copy Banti Hui) SP =7 204



☑CONCEPT 06: Pass by reference

