Array

& avr [0]

Ban Address

Lavr [0]

4 ann -> Base address

\* arr - value at Base address orr[0]

int main () {

3

int aun [4] = (12,14,16,18)

of to wildow -

Output

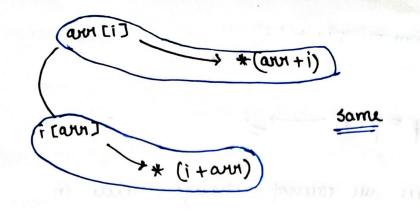
cout « \* coun + 1 « endl;

cout « \* coun)+ 1 « endl;

cout « \* coun)+ 1 « endl;

cout « \* coun+1) « endl;

cout « arr [1] « endl;



int 
$$wu = (5, 6, 7, 8)$$
  
int  $p = au + 1$ ;  
int  $q = au + 1$ ;

cout 
$$\rightarrow$$
 avn  $-104$ 

& avn  $-104$ 

& avn  $[0]$   $-5$ 

& avn  $[0]$   $-104$ 
 $p + 1 \rightarrow 6$ 
 $p + 1 \rightarrow 6$ 
 $p + 2 \rightarrow 7$ 

$$4p - 208$$
 $*q + 3 - 9$ 
 $*(q + 4) \rightarrow$ 
Error
 $q - 108$ 

ibint lodings

array k name - size of ()

Lotal space taken

by array

$$P = b + 1 \longrightarrow 7$$

Because un cannot change value in symbol table.

$$aun + 1 \longrightarrow 108 \longrightarrow 104 + 1x4 = 108$$

$$aun + 3 \longrightarrow 116 \longrightarrow 104 + 3x4 = 116$$

$$aun + 5 \longrightarrow 129 \longrightarrow 109 + 5x4 = 124$$

Country

 $= C[0] \longrightarrow oth index$ 

char name[10] = "SherBano";

char + cptr = & name[0];

rout 
$$\longrightarrow$$
 name  $\longrightarrow$  shurbano

& name  $\longrightarrow$  104

\* (name+3)  $\longrightarrow$  name[3] =  $\nearrow$  216

\* cptr  $\longrightarrow$  4 hurbano

& cptr  $\longrightarrow$  216

\* (cptr+3)  $\longrightarrow$   $\nearrow$  cptr  $\longrightarrow$  2

\* cptr  $\longrightarrow$  3

cptr+2

cout « c « endl; → Sherband cout « cptr+2 « endl; → erbano

Rautles Practice chan \* P = "Akehat";

" temp storage - "Alshet"

chan name [10]="Babban";

Comp storage

O temp storage = "Babban"

memory change → copy
 to name
 annay

storage

# Pointer with Junction! -

main(){

int ann [10];

Size of lann); 4×10 → 40

solue (ann)

solu (int au [])

ann [0] = 50;

actual

annay

\*(ann+0)

}

.

```
solu lint over [])
main ()
   int our [10] = (42,3,4)
                                  llsize
    llprint
     solucary)
                                Il save
     11 print
                                 arn[0] = 50;
main ()
                                solve (9nt * p)
  int a=5; [3]
                                      * P= * P + 10;
  int * ptr=da 107
                                     * (04)=*(104) +10
   solue (ptr)
                                           = 5+10
                                       * (104) = 15
```

1

main () {

Int aux [4] = {10,20,30,40}

int \*p = 4 aux [1];

int \*q = 2 aux [2];

update (p,q);

//print entire auxay;

10,100,200,40

H.W. 2) Pointer to function topic — junction k size junction pass lass kn sktshai — iski need kya hai

3 Pointer is confusing so it needs more and more revision.