Scalar variable int 
$$x = 10$$
;

vector variable int A[5];

continuous in memory

A

O 1 2 3 4

initially Artay values are garbase if Sou intialize single value in Array the remains values will be zero

int A[5];

5 5 5 5

int A[5] = {4,1}; 11000

int A[] = { //// } based on the number inside the braces the size will be

Allay in hear

by default all variables in stack

int A[5]; - stack

Int\*p= new int[5]; \_\_\_\_ > hear

if we finish from it - delete [] P;

we relased memory

Increase or decrease size

int Q = new int[3]; // decleasing from 5->3

for(i=0; i < 3; i++)

Q[i]=P[i];

delete[]p;

P=Q;

9=null;













