18-06-20-1
MEMORY ALLOCATION FUNCTIONS, T
> malloce > calloce > realloce)
1. malloc ():
SYNEAX!
(type) mallor (size in byles)
> It allocates memory of size in bytes
- Allocated memory is always in continuous memory
locations & contains interal Garlage Values.
> It it is successful to allocate memory returns
to the an Tubo (A TIMA IS MILLIA)
> 71 it is not encessful to allocate memory sources
NULL friender [0; 10; NULL]
Drinting of n elements using Dynamic
Ex: Reading & Printing of n-elements using Dynamic mumory allocation
DI HILL LINE VIOLENTE BOOK TO STATE TO STATE THE TANK THE
main () { int i m * p:
to the second of the second of the second
Arinth ("enter n.");
frint ("enter ");
scant (" Z.d", dm);
P= (int *) mallor (n * eizeof (int));
SL (P=-NULL)

C. C

party (" memory not available"); Which the south of the enut (o); 200 Sully Mice enline (-) 0/p:enter m: 3 pounts ("enter elements"); for (i=0; icm; i++) enter elements! 12 3 Scanf ("7.d", P+1) for (i=0) (m; i++); printf (" 10 do ") , & C. P. + i)); of your or the all ! pue (p) of the filler will be the control of eximited the formal the signal of manufactures of the first voice sends so different with the continues. in it it is miles in white the allocate in the in-SYNTAXI (type *) callor (m, size in bytes) -> It allocates 'n' rows of size in bytes! -> Allocated momory contains initial zero's 7 If it is successful to allocate memory it recturns void pointer, so typecasting is needed. -> cf it is not successful to allocate memory it reliving Nucl pointer. (1) 人名英格兰 Ex: - Stouct details 20年4年31 char name [20]; e Cours = 693 B int age; float reight; (struct details *) calloc (m, size of (struct Details));

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of the rest and became
3. realloc ();
  SYNTAX !-
         (type *) reallor (old pointer, new rize)
   -> It reallocates memory of new size & transfers old
     data into newly allocated space.
          # include < stdis h >
                                  in athers that
          main ()
          1 chier * p = " sree", * 9;
              q = ( char *) reallor (P, 20);
             etreat (q, "Hari");
                                       V " ) Jam't
             puts (a);
              ful (9);
                   Unfortheres, Chinakurek, Rikurby Form
   ADVANTAGES OF POINTERS =>
  -> Fast execution
-> A lot of memory is saved during string handling
  -> Dynamic memory allocation
   -> By call by address we can call any number of values.
   DRAWBACKS OF POINTERS =>
                        a strain at he way the
   -> Lot of confusion
  -> Low security
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COMMAND LINE ARGUMENTS: and the second of the second of the second -> # include L stlip . h > Void main (ant wigo, char * wigo []) unt a, b, c; friends ("enter a, b"); Scanf ("7.0 7.0", 44,46); C= A+6; " getch C=A+b; the chan frantf ("1.d 4, 2); red at 1 + mint) = 4 paraf (* 7.5 7.5"), wign (1), wign (2)); UNFORMATED CHARACTER READING FUNCTIONS () =-1. getch (): - It doesnot eine the character & loresnot 11. med Enter" key to read the character.

2 - getche (): It echos the character & lacemost more "Enter" hey to read the character. 3- chares getchare; the character of here to reads "Enver"

hey to read the character. with the contraction. Ex: main () himse, with chan x;

frints ("enter char");

n = getcher ();

putchar (x);