```
DMA
   Friday, 26. August 2022 12:21
   DMA -) Dynamic memory Allocation
  SMA
                                         AMC
 Static memory allocation
                                        Dynamic menury allocation
   Int n;
                                          malloc ()
   yout y;
                                          colloc ()
   int *p;
   INT 0 C107;
   struct Book bli,
* MALLOC ()
                                      Standard practice
   fout #p;
                                       b = malloc (stret) (Hoat));
   p = malloc (4);
                             void & malloc (unsished int s)
                               return oddren;
   TYPE CASTINW
    p= (in +) malloc (112e)(int))
              (int x) 1000
# CALLOC ()
      jut 49;
      2 = Calloc (5,4)
         Standard Practice
           q = ("wt x) calloc (5, 81' reg ("wt));
# MALLOC VIS CALLOC
  1 one argument
                                  1 two argument
 1 harbage value
                                 O rero
                                 3 Army of blocks.
 3 single block
   INT AD;
    malloc (20)
       2000
# MEMORY LEAK
                                            p= malloc(4)
                                            Ap=5;
      program's
         monopy
        total memory = consumed + free
# FREE ()
   Free () Is used to release memory of DMA variables
                                      on y.
                       Inpe (add ress);
             void fl()
                int Ab,
                 p= malloc (4);
                 groe (p);
                 p = NULL',
# REALLOC ()
      realloc (pointers, newsive)
             par = malluc (6);
             9= realloc (btr, 10);
           int = malluc (10);
            P 30 30 90
                    4 byte above 4 byte
                 4 p = 20;
                 * (PH1) = 90;
```

* (p+2) = 40; + wrong