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              > I Semester > *
Yointers to Functions:
     I particular confusing yet powerful feature of
      C is the "function pointer."
     & function has a physical location in
     memory that can be assigned to a pointer.
     This address is the entry point of the
    function and it is the address used when
      the function is called.
     Example: WAP to reverse a string.
     #includeratolio h>
     # include (conio-h)
      Char * Heverse (char *);
      roid main ()
      chave 1;
      print ("%) b", reverse ("Computer")); () sallours +
      getch ();
      char * reverse (chart *p)
                    DE FOR FORDING TOTAL
      int 1, is
       char t:
      for(1=0; *(p+1) = 10'; 1++)
      for(i=0; i(2; i++)
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t = *(p+i);
       * (pti) = * (pt1-1-i);
       * (p+d-1-i) = t;
                        No ten to Hording
  Output: retupmoc
- He Dynamically Allocated Arrays
      Dynamic allocation is means by which a program
     can obtain memory while it is suming.
     Vilobal variables are allocated storage at
     compile time. Non-static, local variable use
     the stack.
     The core of c's allocation system consist of the
     functions malloc(), calloc(), realloc() and free!
      * malloc() - It is used to allocate the
                 space in memory at the time of
               execution of program.

It comy gardage value.

It store single argument.
           Syntax: malloc (n* size of (int));
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* ralloc() - It is used in allocation of Space in memory at the time of execution of program. -> It initialize the allocated membry from zero. -> It takes two arguments. Dyntax: calloc (n, dize of (int)); * smalloc() - It is used to modify the -> It deallocate the old object and allocate the new object. -> It takes two arguments. Syntax: Hell realloc (ptr, n* dize of (int));

* free(). — This function is used to dynamically deallocate the memory.

The memory allocated by calloc!)

and malloc() is doesn't deallocate by itself. We have to deallocate the memory by using free() function.

Syntax: free (*ptr)