Laboratory 2

* Test next week
* 1 simple C problem
* Nano test.c = automatically creates a test.c file and you can edit it
  + Ctrl+ s to save
  + Ctrl+ x to close
  + #include <stdio.h>  
    int main(int argc, char\*\* argv){  
    return 0;}
  + Cat test.c to display the code
  + Cat -n test.c to display the code with line numbers
* Gcc – to compile a program in c
* Gcc -Wall test.c -o test.out ( the output is in test.out )
* ./test.out to run the program

To open a file:

* FILE\* f;
* f = fopen(argv[1], “r”/”w”/”a”);
* argv[1] is the first argument we give( ./test.out nume => nume is argument on position one).
* R – read mode
* w- write mode, overwrites
* a - Append mode
* fscanf – to scan from file
* fprintf – to print to file
* matrixes are double pointers and now we need to alocate memory for this list;
* int\*\* matrix; //declare the double pointer
* matrix = (int\*\*)maloc(n\*sizeof(int\*));
* then for each matrix[i] we allocate (int\*)maloc(m\*sizeof(int));
* we then need to deallocate memory!!!!!!!