Homework 2

Focus:

- Process environment

Task:

Implement the utility env.

- When issued without arguments, it simply displays the environment.
- When issued with arguments, the pattern is:
  - env [-i] [name=value]... [command [argument]...]
  - The purpose of env with options is to execute a command with a modified environment. The command being run can have its own arguments.
  - If the -i option is used, then the name/value pairs that are provided, completely replace the environment when running the command.
  - If the -i option is not provided, then the name/value pairs *modify* the environment.
  - If no command is provided then env simply displays the new / modified environment.

Constraints:

What would life be without annoying constraints? The new ones for this assignment in addition to writing good code, etc.

- Do not use getenv, putenv or setenv. Deal with the char** environ variable itself.
- As in hw01, do not use the C99 feature of local arrays with variable length.

Turn in:

- env.c
- Makefile.
- a README if there is *anything* I need to know about your program, e.g. it doesn't work.