CIS 227 – Exercise 3

Purpose: The purpose of this exercise is to further understand how common algorithms many programming students have already implemented in high-level languages are (may be?) actually implemented at the machine level.

Specifications: Write an assembler program that sorts an array of fullwords using the Selection Sort algorithm. Use an array size of 10 and values in the range 0-15.

- The program should 'dump' the contents of the array before and after sorting.
- The program should be neat and readable with attention to identifiers, whitespace, and indentation.
- The program should be well commented.
- Attention must be given to the efficiency of the program.
- There should be a header comment that states the name of the program, a brief description, the name of the author, and the status of the program. Status is either "working" or "not working" and if is not working you must specify what works and what does not according to the specifications.

Submission: Run your program with TRACE on and attach both your source file and your trace file (the one with the .tre extension) to this dropbox. Don't zip them, just attach both files. Repeat your status in the comment area. Click submit.

Then fantasize about the life of luxury your genius will one day bring you!