X86 Assembly Language – Programming Exercise

Additional 01 (Ch06)

Practice in Chapter 6

- Finite state machine

Exercise

- You can get additional points from the following exercise (ch06 – finite state machine):

  - Design a finite state machine that can determine if the input contains even number of 0s. The possible input sequence can be 001, 0011, 010, 1100, …

    - Draw the state diagram.

    - Write an assembly code to solve the problem.

- Submit your work to tronclass for this additional points.

Submission Format

▶ Turn in your report **in group**

▶ Observe the changes of registers and memory while executing. **Screenshot when needed.**

▶ Pack (archive) the following files

    ▶ xxxx.asm

    ▶ Report (file format: .doc/.docx/.pdf)

        ▶ Follow the given programming exercise report format

        ▶ Please include screenshots, the source code with comments, and your feedback about the assignment in one file.

▶ Upload to Tronclass