LEGv8 – ARITHMETIC & BRANCH

1. Language: LEGv8
2. IDE: Graphical Micro Architecture Simulator – LEGv8 Simulator

3. Requirement:
   a. Add two numbers stored in registers x1 and x2. Store the result in register x0.
   b. Subtract two numbers stored in registers x1 and x2. Store the result in register x0.
   c. Compare x1 and x2
   d. Calculate the Sum from 1 to 10 using a Loop

4. Submission instructions
- Please submit your assignment to Moodle
- The assignment will be compressed to a zip/rar file named MSSV.zip/rar that includes two files:
   o MSSV.asm: Source code
   o MSSV.docx/pdf:
      ▪ Screenshots of the program output.
      ▪ What percentage of the work is done?