National Sun Yat-Sen University
ASSEMBLY LANGUAGE AND MICROCOMPUTER
Programming Assignment #3
Due 11:59pm Jan 4 2018

1. <**Programming Problem III**> Write an ARM assembly code ***int2float*** to print out the binary IEEE-754 single-precision representation of the given input decimal integer number. For example, when you execute the ***int2float*** program as follows:

   arm-none-eabi-run int2float 1995

   Then the screen should show the following results:

   1995 is coded by 01000100111110010110000000000000.

Note:

(a) Your assembly code should follow the APCS rules described in the textbook.

(b) For this programming homework, please download the template assembly program from the course website. You can refer to the sample code shown in the course website.

(c) The submission of your homework should follow the method announced by TA before the deadline. Homework submitted after the deadline will not receive any score.