F28HS2 Hardware-Software Interface
Tutorial 6

A) Write a function to display a 32 bit word as hexadecimal:

- for i from 0 to 8 do:
    - copy word
    - get leftmost 4 bits from copy – shift copy 28 bits right
    - if leftmost 4 bits<10
    - then display leftmost 4 bits + ’0’ – i.e. ‘0’-‘9’
    - else display leftmost 4 bits – 10 + ‘a’ – i.e. ‘a’-‘f’
    - shift word 4 bits left

B) write a function to display each character from a file as hexadecimal

- open the file from the command line
- read 1st character from file
- while not end of file
    - display character as hexadecimal
    - read next character
- close file