Exercise 3

- 1. A 16 bit DA converter's range is from -5V to +5V. The scale is linear and 0000H means -5V. Define voltage value if the following combination is written to the converter
 - a) CAB1H
 - b) 1566H
 - c) 4588H
- 2. A 16 bit AD converter's range is from -5V to +15V. The scale is linear and 0000H means -5V. Define the reading of AD converter if the analog input voltage is
 - a) -1V
 - b) 2.8V
 - c) 9.2V
 - d) 14V
- 3. A 16 bit DA converter's range is from -10V to +10V. This DA converter is connected to the series connection with a 12 bit AD converter, the scale of which ranges from -5V to +15V. What does the AD converter show if the written data to the DA converter is
 - a) CCABH
 - b) 88A0H
 - c) 9ABBH