## Lab 3

- 1. When using Step over the debugger executes the Next instruction and if it is a function call, the debugger will execute the whole function at once while 6tep into Let's you go like by line.

  Within the Function (Substative).
- 2. 0x 2000 7 FFZ
  3. Yes: 0x 00 AC
- 5. Link register, 0x000 802CB

4. 0x2000'7ff0, Start grows downwords

- 6. 0x 000 8' 02Ca
- 1. 24-bit Counter => 2-1=16777213 = max Value Systick Counter can start counting from.
- 2. CTRL: 0x E000 E010

  LDAD: 0x E000 E014
  - VAL: OX E OOO E OL 8
  - 3. We use Eau directive to define homes for register addresses.

    Ex: Systia\_CTRL Eau Ox E000 E010
- 4. load value = (clock Source · period) -1

  12 MHz = 12 106 Hz , 2 Las = 2 10-35 => (12 · 16 · 2 · 10 · 3) -1 = 23999
- 3. Processor clack, external Reference Clack