

# COMPUTER ARCHITECTURES (02LSEOV)

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## Problem solving session n°7 2017/2018

1. Please open the *sample* project (double click on sample.uvproj). Execute the code in debug mode (SW e HW), observing the behavior of the system.
2. Modify the *sample* project in order to reproduce the following behavior:
  - a. At the reset, switch on led LD8
  - b. If KEY1 button pressed, switch off the current led and switch on the next led on the left
  - c. If KEY2 button pressed, switch off the current led and switch on the next led on the right
  - d. If INT0 button pressed, move back to the LED configuration at the reset.
3. Add the timer libraries to the project. Then modify the project such that the led, which is currently switched on, flashes with frequency equal to 0.5 Hz (i.e., the led is switched on for 0.5 s, then switched off for 0.5 s, and so on).