Stop Halt Demo

# Overview

This demonstration allows the user to switch the MCU between running, stop and halt modes to measure MCU current consumption. The current MCU state is displayed on the LCD.

* Pressing Switch 1 generates interrupt INTP0 and awakens the processor
* Pressing Switch 2 generates interrupt INTP1 which puts the processor into STOP mode
* Pressing Switch 3 generates interrupt INTP2 which puts the processor into HALT mode

# Comments and Suggestions

* Try measuring the current in each mode at several voltages and evaluate MCU power consumption.