

4 October 2012

I/O

HUMANS

Special characters req.

Alphanumeric + others

Slow

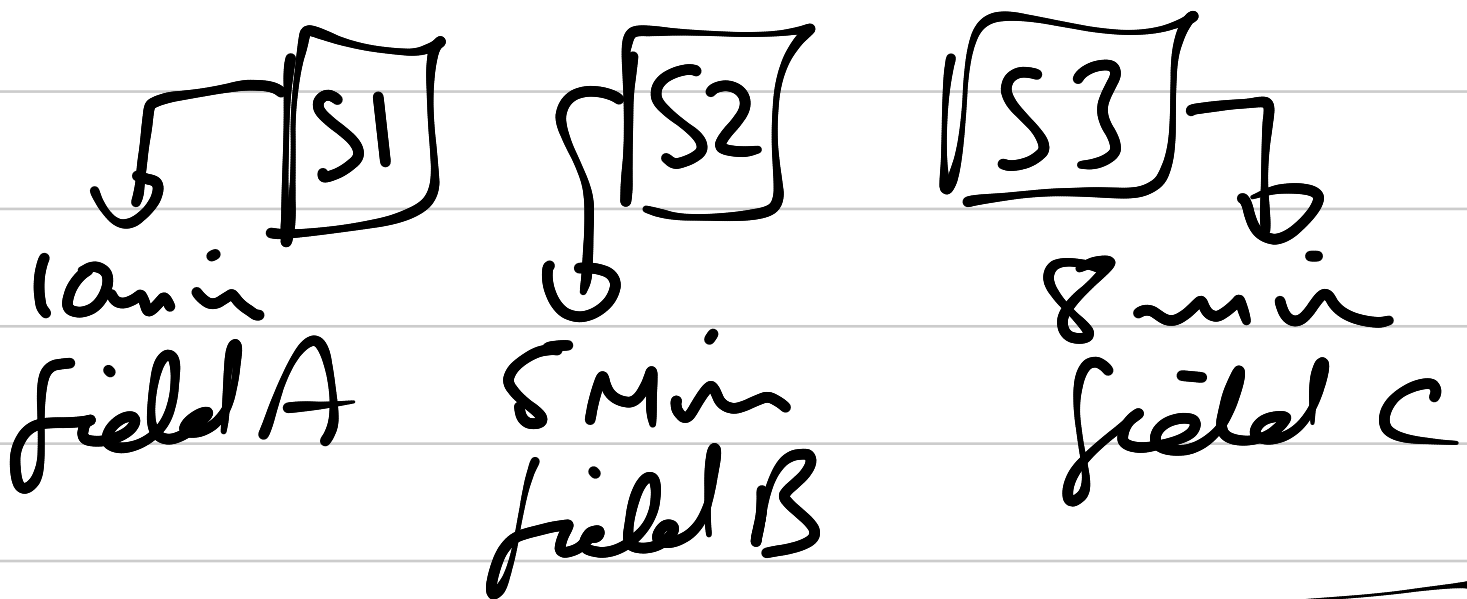
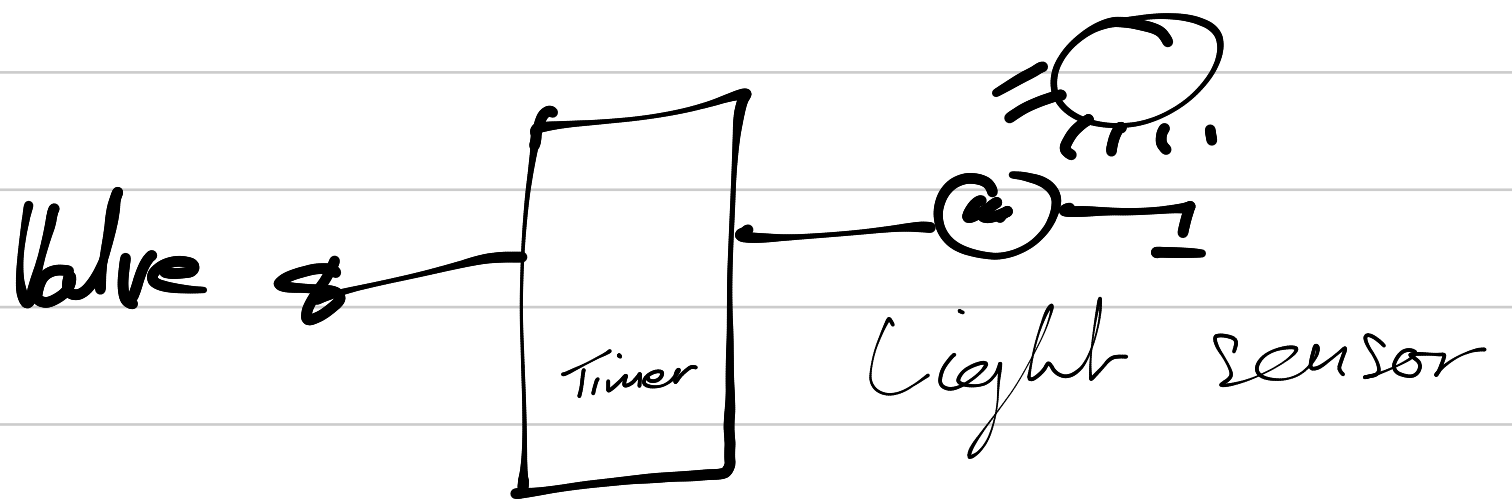
Keyboard + Displays

MACHINES

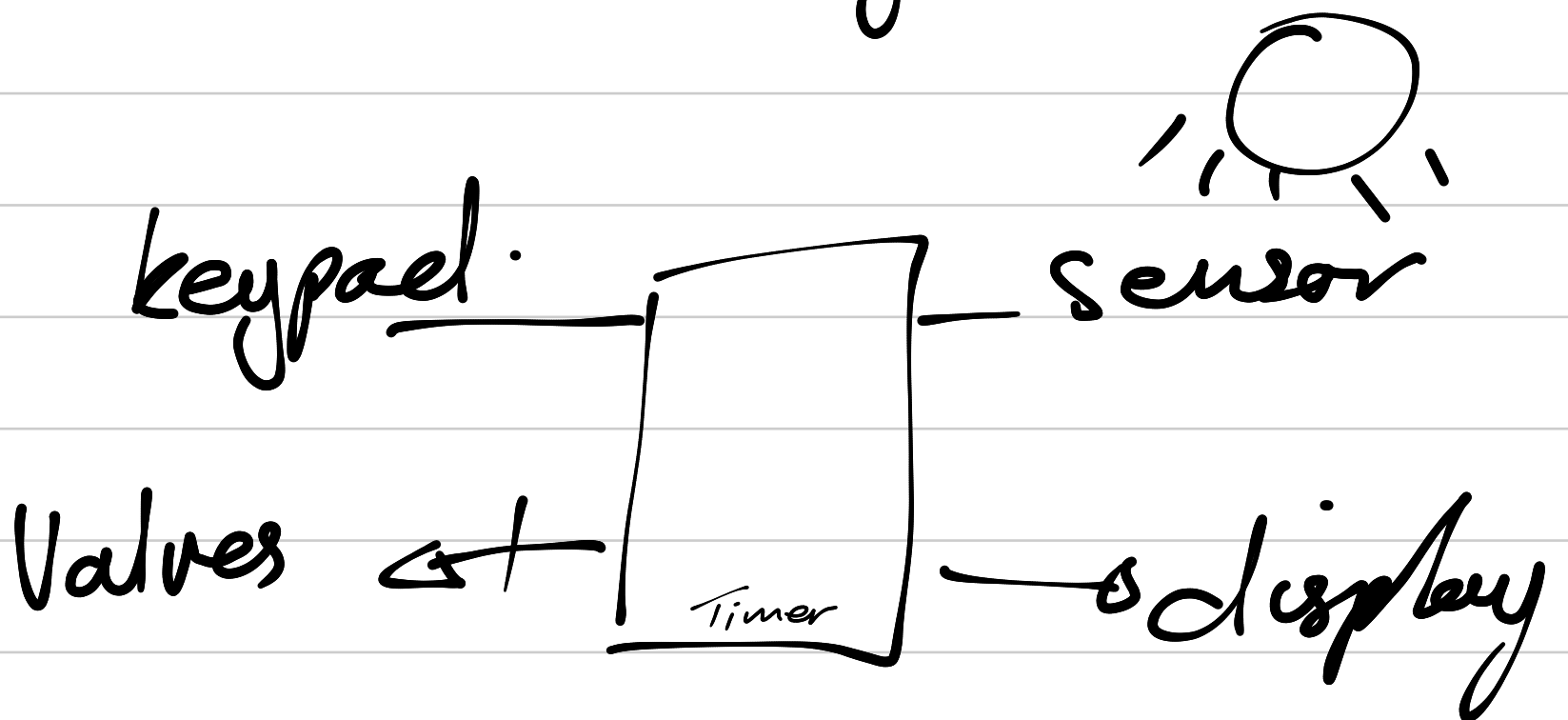
Codes

Fast

Communications?



New System

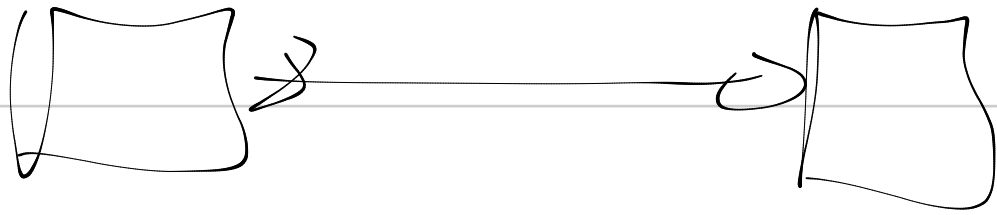


Interrupts.

- On change
- Timer / WDT
- Comparator
- PWM
- > ADC
- >

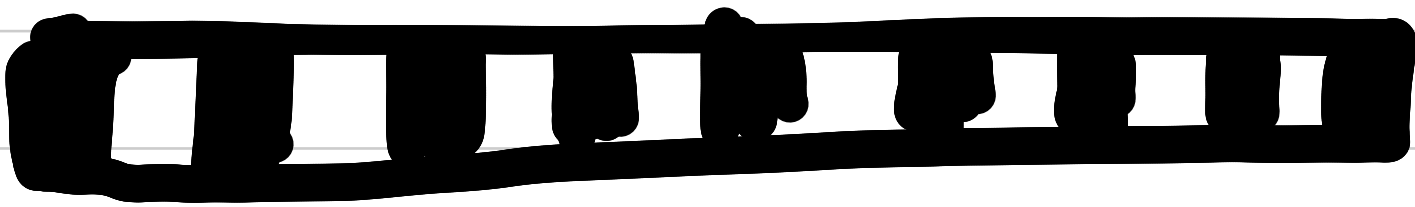
Make sure interrupt flags are cleared before interrupts are enabled.

- > Clear GIE
- > PC -> pushed to stack
- > Goes to Interrupt service routine
- > Save NB data, Status reg. Wreg
- > RETFIE (Enables GIE)



synchronous.

Linear encoder



- Provides details with respect to
 - Position
 - Speed.