Sept. 7.

Note: 1° LPC1769 from 2022S
Semester, Working List.
CANVAS. Scott.

2° LPC1768 Pin-to-Pin
Compatable. (Mbed)

a. Step1. MCUXpresso IDE
1768   Binary Code.
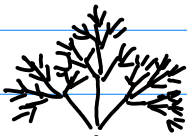Step2. "Firmware" Upload
the binary file to the
Flash. Need a prob
Step3. Interactive Debugging.

3° LPC11C24 Digi-Key in Stock.
LPC1114   Size
GPP/SPI, FLASH (ON-Chip)
          1/8 of the size
Comparing to LPC1768/9

Homework (10 pt)

1° Form A Team By Wednesday.
          /4 -Person
2. Select/Finalize your target
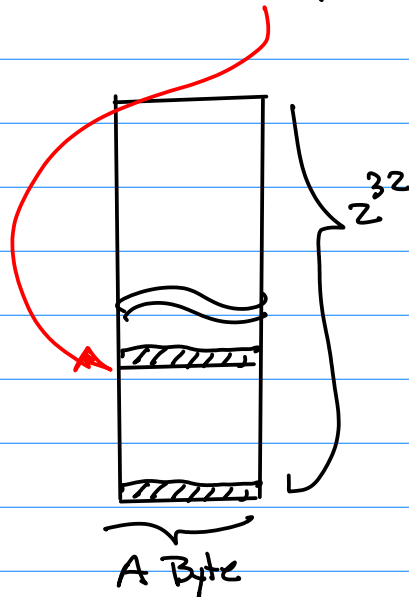Platform. By the end of the week.

Example: Register File
Special Purpose Registers
General Purpose Register

GPx CoN

Prefix 3 Letters   Root
for Port "x", X=0,1,2,3

GPx CoN its address is 32 Bits,
          it maps to the memory
          map.

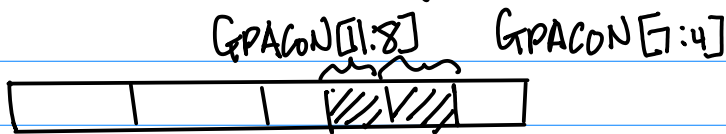2^{32}

A Byte

Note: The Task of Init & Config
          Can be realized by using HLL
          (High Level Language), C/C++,
          to deposit A Binary Pattern to that
          Memory Location (Addr. is a Pointer)

For Example for Samsung ARM-11.

GPACON[11:8]   GPACON[7:4]

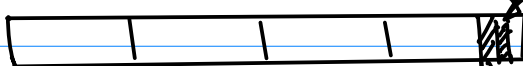GP$_x$CON   its address is 32 Bits,
it maps to the memory
map.

Design Requirements (Spec.)

1. 2nd Bit As An Output
2. 3rd Bit As An Input

To perform Init & Config.

GPACON[7:4] = 0001 = 0x1

GPACON[11:8] = 0000 = 0x0

2nd Bit
Output

3rd Bit
Input

GP$_x$DAT

GPACON[31:0] = 0X10