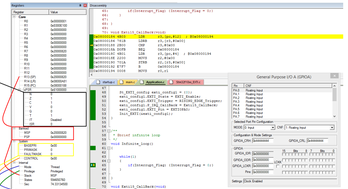
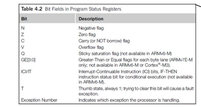
Reset → *System privileged*
Stack pointer used MSP

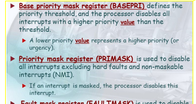
When come Interrupt or exception
- Finish current instruction (except for lengthy instructions)
- Push context (8 register 32bit) noto current stack(MSP or PSP)
xPSR, Return Address, LR(R14), R12, R3, R2, R1, R0
- Switch to handler/ privileged mode, use MSP
- Load PC with address of exception handler
- Load LR with EXC_Return code
- Load IPSR with exception number
- Start executing code of exception handler

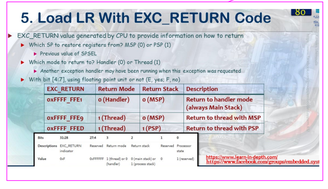
Exiting an exception handler
- execute instrcutin triggering exception return processing
- select return stack, resotre context from that stack
- resum execution of code at resoted address

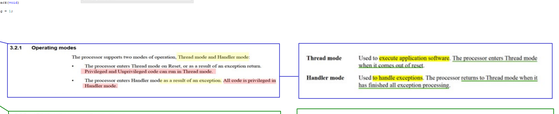
Saved data when come Interrupt











Interrupt number to calculate
0x16 - 0x16 = 0x00 first IRQ