Processes Continued

- Context Switch /
 - · what state to save + how
- Scheduling

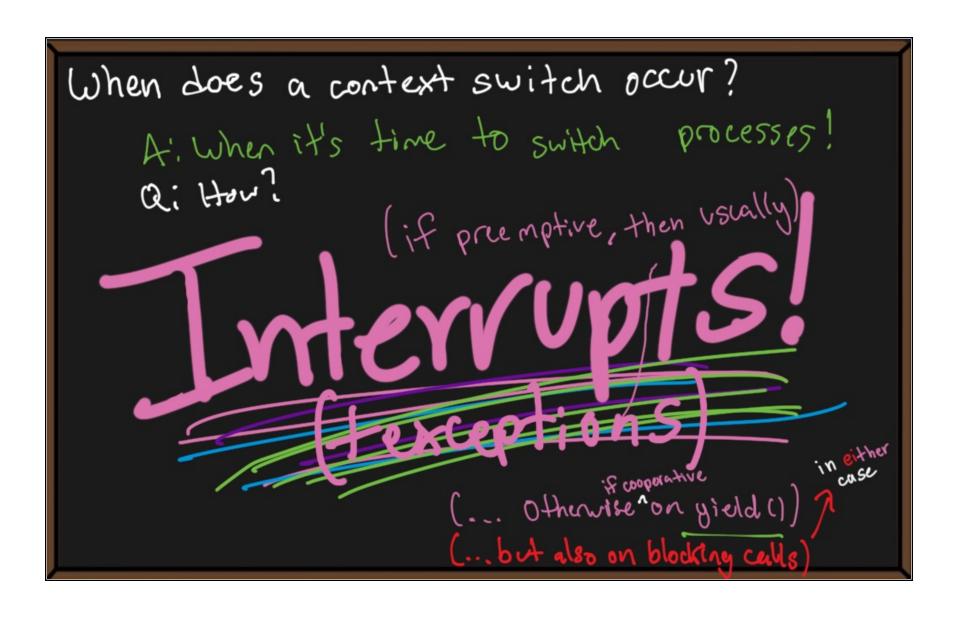
- IPC
- · i.e, when to context switch
- · preemptive, cooperative
- Interrupts, Exceptions
 - system calls of

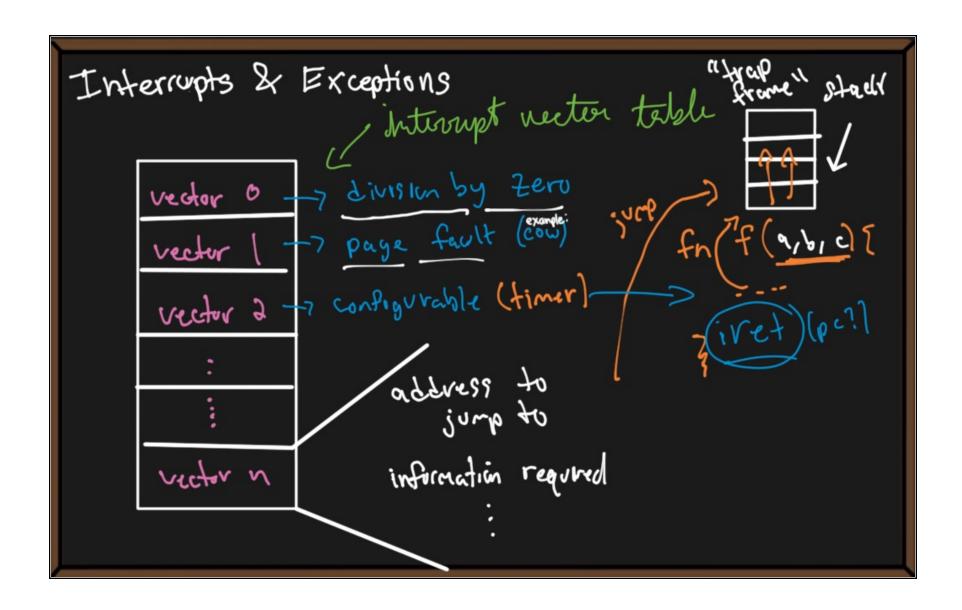
ST LECTURE What state is

"virtual" machine?

Machine Abstraction
- Demory
- Desoluted
- Muchine + virtual memory - Processor - Disk (global (shave) + Network







```
The Context Switch
   struct Process &
                                           struct Process &
       page-table: ...,
                                              page-table: ...,
       file_table: ... ) A
                                     file_table: ... )
                                            ewdi...,
trap-frame:...,
       cubi...,
      trap-franci..., save restore
stack:..., A 13
                                            stack: ...,
                                               status; ...,
       status; ...,
      Courrently running
```

scheduling

Which process (in general: "thing") do I run next? Where do I run the next process? thing?

- May have multiple CPUs.
- CPUs may be heterogeneous.
- May even want to schedule on not CPUs. i.e. GPU, accelerators, etc.