PROCESS :- CONTEXT SWITCH

A Context Switch (also sometimes reffered to as a process Switch or a task Switch) is the Switching of the CPU from one process or to another.

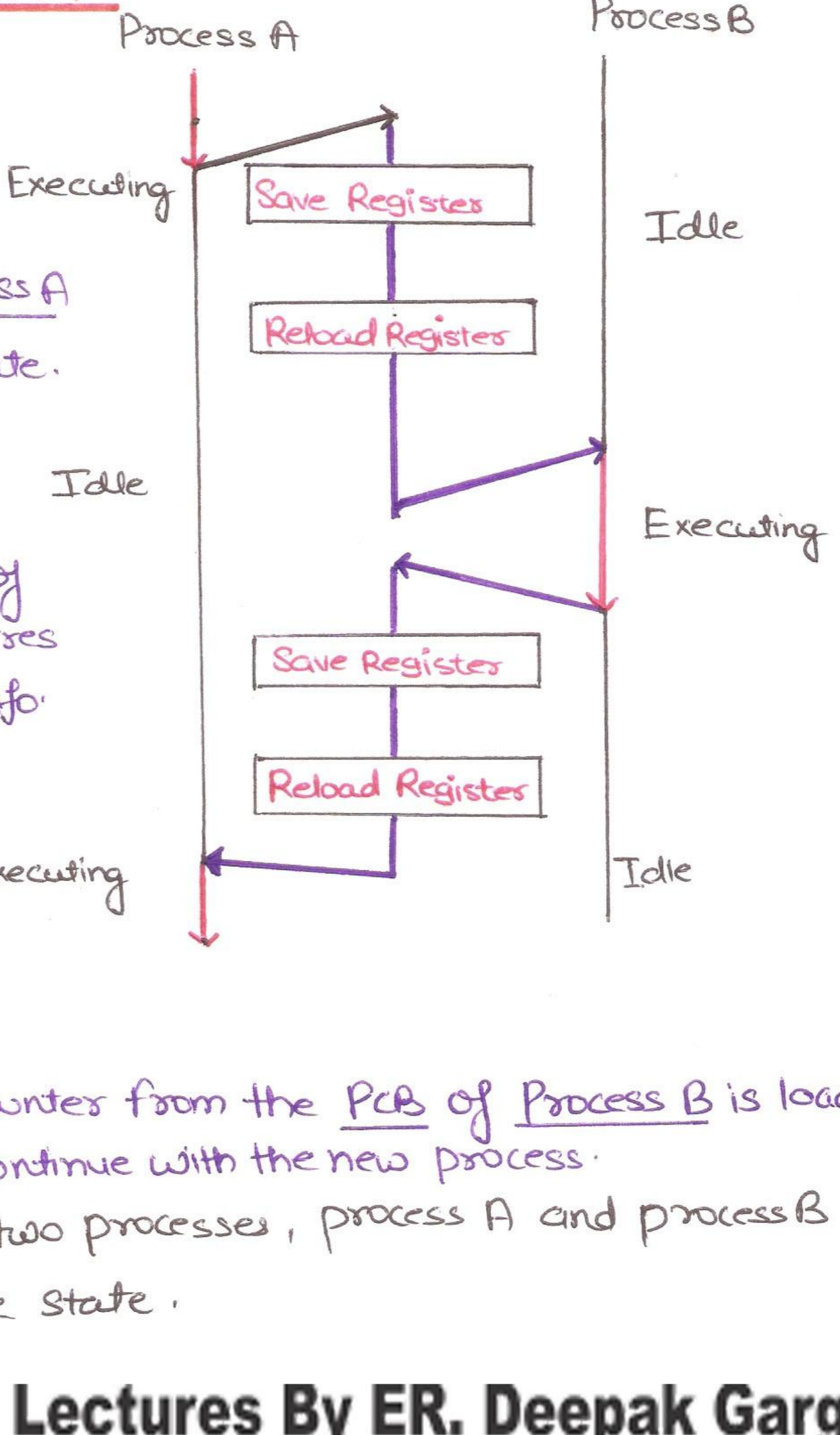
A Context is the contents of a CPU's registers and program Counter at any point in time.

Context Switch - Steps

If two processes A and B are in ready queue.

If CPU is executing process A and process B in wait state.

If an interrupt occurs for process A, the OS Suspends the execution of the first process, and stores the store the Current info. of process A in its PCB and Context ~~the~~ to the Second process namely Process B.



In doing so, Program Counter from the PCB of Process B is loaded and thus execution can continue with the new process.

* The Switching between two processes, process A and process B needs PCB to save the state.